

## SEQUENCE LISTING

<110> Mitcham, Jennifer L.  
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<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND  
DIAGNOSIS OF OVARIAN CANCER

<130> 210121.462C4

<140> US

<141> 2000-08-10

<160> 455

<170> FastSEQ for Windows Version 3.0

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<212> DNA

<213> Homo sapien

 $\langle 400 \rangle$  1

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gcccccaaag	ctgtttcttt	tgtctttagc	gtaaagctct	cctgccatgc	agtatctaca	420
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<212> DNA

<213> Homo sapien

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attaattatt	gtgtcagaag	agattgaata	cctgcttaag	aagcttacag	aagctatggg	180
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**0697**

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<211> 531
<212> DNA
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aacagtttga	taacctcaaa	ccttcaggag	gttacataac	aggtgatcaa	gcccgtactt	180
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&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 6

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&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 7

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actgatgtgt	accccgaaat	cattgaacga	gcaggctatt	ccttggagaa	ggtatttggg	480
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&lt;210&gt; 8

&lt;211&gt; 531

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (531)

&lt;223&gt; n = A,T,C or G

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gttggtctcc	aaaagtgtctg	ggatcatagg	cgtgagccac	ctcaccagc	caccaatttt	120
caatcaggaa	gactttttcc	ttcttcaaga	agtgaagggt	ttccagagta	tagctacact	180

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taaaataatt attcacatat ttcttgattt atcacagaaa taatgtatga aatgctttga      360
gtttcttgga gtaaactcca ttactcatcc caagaaacca tattataagt atcactgata      420
ataagaacaa caggaccttg tcataaatcc tggataagag aaatagtctc tgggtgtttg      480
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ggtgcacaga ccagcacggc tctgtgacct gtttgttaca ggtccatgat gaggtaaaca      180
atacactgag tataaggggt ggtttagaaa ctcttacagc aatttgacaa agtaatcttc      240
tgtgcagtga atctaagaaa aaaattgggg ctgtatttgt atgttccttt ttttcatttc      300
atgttctgag ttacctatct ttattgcatt ttacaaaagc atccttccat gaaggaccgg      360
aagttaaaaa caaagcaggt cctttatcac agcactgtcg tagaacacag ttcagagtta      420
tccacccaag gagccagggg gctgggctaa accaaagaat tttgcttttg gttaatcacc      480
aggtacttga gttggaattg ttttaatccc atcattacca ggctggangt g              531

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tgagacatt caagcaaagg ttggacaact acttttccag aacagaaagg aaactcatgc      180
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gatcagataa aacagtttaa ggaatttctg gggacctaca ataaacttac agagacctgc      300
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gtcatgactg tttggcaaat ggaaaccgct ggagaaacaa aattgctatt taccaggaat      660
aatcacata gaaggtctta ttgttcagtg aaataataag atgcaacatt tgttgaggcc      720
ttatgattca gcagcttggt cacttgatta gaaaaataaa ccattgtttc ttcaattgtg      780
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<213> Homo sapien

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<212> DNA

<213> Homo sapien

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tcagtatttt	ttttatttct	atgcaaaagt	atgccttcaa	actgcttaaa	tgatatatga	180
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ctgctgtctc	ttccacatcc	tcacatagac	cccagaccgc	ctggcccttg	gctgggcac	600
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<211> 728

<212> DNA

<213> Homo sapien

<400> 16

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gaagaaggac	atgtttgctt	ccccctccac	cacgattgta	agttgtttcc	tgaggcctcc	240
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ggtatgtctt	tattagtaga	atgagaacag	actaatataa	cccttaaagg	agactgacgg	360
agaggattct	tctgggatcc	cagcacttcc	tctgaatgct	actgacattc	ttcttgagga	420
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tgctagcctc	aagtgtcccc	aagccacagt	ggctaggggg	actcagggaa	cagttcccag	660
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tccaaagg						728

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 <223> n = A,T,C or G

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aaaagcactt	tcagaaggag	gaacaggaga	gacaagagcg	aagaaagcgg	ctggaggaga	360
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ccgcagctaa	caattccggc	ccagaccctt	gtgaaagctg	tagagactcg	gccctctggg	480
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 <223> n = A,T,C or G

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<400> 20

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<212> DNA  
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<400> 23  
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<223> n = A,T,C or G

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<212> DNA
<213> Homo sapien
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ctggg	gagcgtgcag	agacctctag	ctcgagcgcg	agggacctcc	cgccgggatg				180
ggagc	agatggacc	tactggaagt	cagttggatt	cagatttctc	tcagcaagat				240
ctgcc	tgataattga	agattctcag	cctgaaagcc	aggttctaga	ggatgattct				300
ccact	tcagtatgct	atctcgacac	cttcctaate	tccagacgca	caaagaaaat				360
gttgg	atgttgngtc	caatccttga	acaacagct	ggagaagaac	gaggagaccg				420
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<211> 541
<212> DNA
<213> Homo sapien
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<210> 27
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 agtgtgggaa gggggctgga aacaaagtat tcttttcctt caaagcttca ttcctcaagg 180  
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<400> 28  
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 aactagacaa gtgtgttaag agtgataagt aaaatgcacg tggagacaag tgcattccca 180  
 gatctcaggg acctccccct gcctgtcacc tggggagtga gaggacagga tagtgcattg 240  
 tctttgtctc tgaattttta gttatatgtg ctgtaattgtt gctctgagga agccccctgga 300  
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 c 541

<210> 29  
 <211> 411  
 <212> DNA  
 <213> Homo sapien

<400> 29  
 tagctgtctt cctcactctt atggcaatga ccccatatct taatggatta agataatgaa 60  
 agtgtatttc ttacactctg tatctatcac cagaagctga ggtgatagcc cgcttgatcat 120  
 tgtcatccat attctgggac tcaggcggga actttctgga atattgccag ggagcatggc 180  
 agagggggcac agtgcattct gggggaatgc acattggctc agcctgggta atgagtata 240  
 tacattacct ctgttcacaa ctcatgccc agcaccagtc acaaggcccc accaaatacc 300  
 agagcccaag aaatgtagtc ctgttgatat ggttttgctg tgtcccaacc caaatctcat 360  
 cttgaattgt aagctcccat aattcccatg tggtgtggga gggacctggt g 411

<210> 30  
 <211> 511  
 <212> DNA  
 <213> Homo sapien

00636801.001000

&lt;400&gt; 30

atcatgagga	tgttacaaa	gggatggtac	taaaccattt	gtattcgtct	gttttcacac	60
tgctttgaag	atactacctg	agactgggta	at ttataaac	aaaagagatt	taattgactc	120
acagttctgc	atggctgaag	aggcctcagg	aaacttacag	tcatggtgga	aggcaaagga	180
ggagcaaggc	atgtcttaca	tgtcagtagg	agagagagcg	agagcaggag	aacctgccac	240
ttataaacca	ttcagatctc	ataactccct	atcatgagaa	aaacatggag	gaaaccaccc	300
tcatgatcca	atcacctccc	gccagggtccc	tcctctgaca	cgtggggatt	ataattcagg	360
attagagggg	cacagagaca	aaccatatca	tcattcatga	gaaatccacc	ctcatagtcc	420
aatcagctcc	taccaggccc	cacctccaac	actggggatt	gcaattcaac	atgagatttg	480
gatggggaca	cagattcaaa	ccatatcata	c			511

&lt;210&gt; 31

&lt;211&gt; 827

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 31

catggccttt	ctccttagag	gccagaggtg	ctgccctggc	tgggagtga	gctccaggca	60
ctaccagctt	tcttgatttt	ccggtttggt	ccatgtgaag	agctaccacg	agccccagcc	120
tcacagtgtc	cactcaaggg	cagcttggtc	ctcttgctct	gcagaggcag	gctgggtgtga	180
ccctgggaac	ttgaccggg	aacaacaggt	ggcccagagt	gagtgtggcc	tggccccctca	240
acctagtgtc	cgtcctctct	tctcctggag	ccagtcttga	gtttaaaggc	attaagtgtt	300
agatacaagc	tccttggtgc	tggaaaaaca	cccctctgct	gataaagctc	agggggcact	360
gaggaagcag	aggccccctg	gggggtgccct	cctgaagaga	gcgtcaggcc	atcagctctg	420
tcctctgtgt	gctcccacgt	ctgttctctca	ccctccatct	ctggggagcag	ctgcacctga	480
ctggccacgc	gggggacagt	gaggcacagg	ctcagggtgg	ccgggctacc	tggcacccta	540
tggcttacia	agtagagttg	gccagtttct	cttccacctg	aggggagcac	tctgactcct	600
aacagtcttc	cttgccctgc	catcatctgg	gggtggctggc	tgtcaagaaa	ggccgggcat	660
gctttctaaa	cacagccaca	ggaggcttgt	agggcatctt	ccagggtggg	aaacagtctt	720
agataagtaa	ggtgacttgc	ctaaggcctc	ccagcaccct	tgatcttgga	gtctcacagc	780
agactgcatg	tsaacaactg	gaaccgaaaa	catgcctcag	tataaaa		827

&lt;210&gt; 32

&lt;211&gt; 291

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 32

ccagaacctc	cttctctttg	gagaatgggg	aggcctcttg	gagacacaga	gggtttcacc	60
ttggatgacc	tctagagaaa	ttgcccaaga	agcccacctt	ctgggtccaa	cctgcagacc	120
ccacagcagt	cagttgggtc	ggcctgctg	tagaagggtc	cttgggtcca	ttgcctgctt	180
ccaaccaatg	ggcaggagag	aaggccttta	tttctcgccc	accattctc	ctgtaccagc	240
acctccgttt	tcagtcagy	ttgtccagca	acggtaccgt	ttacacagtc	a	291

&lt;210&gt; 33

&lt;211&gt; 491

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 33

tgcatgtagt	tttatttatg	tgttttsgtc	tggaaaacca	agtggtcccag	cagcatgact	60
------------	------------	------------	------------	-------------	------------	----



```

gaacatcact cacttcccct acttgatcta caaggccaac gccgagagcc cagaccagga      120
ttccaaacac actgcacgag aatattgtgg atccgctgtc aggttaagtgt ccgtcactga      180
cccaracgct gttacgtggc acatgactgt acagtgccac gtaacagcac tgtacttttc      240
tcccatgaac agttacctgc catgtatcta catgattcag aacattttga acagttaatt      300
ctgacacttg aataatccca tcaaaaaccg taaaatcact ttgatgtttg taacgacaac      360
atagcatcac tttagcacag aatcatctgg aaaaacagaa caacgaatac atacatctta      420
aaaaatgctg ggggtgggcca ggcacagctt cagcctgtta atcccagcac tttgggaggc      480
ttaagcgggt g

```

```

<210> 34
<211> 521
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

```

```

<400> 34
tggggcggaag agaagccaag gccaaaggagc tgggtcgggca gctgcagctg gaggccgagg      60
agcagaggaa gcagaagaag cggcagagtg tgctgggcct gcacagatac cttcacttgc      120
tggatggaaa tgaaaattac ccgtgtcttg tggatgcaga cggatgatgt atttccttcc      180
caccaataac caacagttag aagacaaagg ttaagaaaac gacttctgat ttgttttttg      240
aagtaacaag tgccaccagt ctgcagattt gcaaggatgt catggatgcc ctcatctga      300
aaatggcaag aaatgaaaaa gtacacttta gaaaataaag aggaaggatc actctcagat      360
actgaagccg atgcagtctc tggacaactt ccagatccca caacgaatcc cagtgcctgga      420
aaggacgggc ccttccttct ggtgggtggaa cangtcccgg tggatgatct tggaanggaa      480
cctgaangtg gtgtaccccg tccaaggccg accttggcca c

```

```

<210> 35
<211> 161
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(161)
<223> n = A,T,C or G

```

```

<400> 35
tcccgcgtc gcagggcncg tgccacctgc cygtccgcc gctcgtcgc tcgcccgcgc      60
cgccgcgtc ccgaccgyca gcatgctgcc gagagtgggc tgcccgcgc tcgctgctgc      120
gccgcgcgc ctgctgccgc tgctgccgct gctgctgct c

```

```

<210> 36
<211> 341
<212> DNA
<213> Homo sapien

```

```

<400> 36

```

```

ggcgggtagg catggaactg agaagaacga agaagctttc agactacgtg gggaagaatg      60
aaaaaaccaa aattatcgcc aagattcagc aaaggggaca gggagctcca gcccagagagc    120
ctattattag cagtgaggag cagaagcagc tgatgctgta ctatcacaga agacaagagg      180
agctcaagag attggaagaa aatgatgatg atgcctatct aaactcacca tgggcgggata    240
acactgcttt gaaaagacat tttcatggag tgaaagacat aaagtggaga ccaagatgaa      300
gttcaccagc tgatgacact tccaaagaga ttagctcacc t                                341

```

```

<210> 37
<211> 521
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

```

```

<400> 37
tctgaagggtt aaatgtttca tctaaatagg gataatgrta aacacctata gcatagagtt      60
gtttgagatt aaatgagata atacatgtaa aattatgtgc ctggcataca gcaagattgt    120
tggtgtgtgt gatgatgatg atgatgatga taatatcttt ctatccccag tgcacaactg    180
cttgaacctt ttagataatc aatacatggt tcttgaactg agatcaattt ccccatgttg    240
tctgactgat gaagccctac attttcttct agaggagatg acatttgagc aagatcttaa    300
agaaaatcag atgccttcac ctgaccactg cttggtgatc ccatggcact ttgtacatct    360
ctccattagc tctcatctca ccagcccatc attattgtat gtgctgcctt ctgaagcttg    420
cagctggcta ccatcmggta gaataaaaat catcctttca taaaatagtg accctccttt    480
tttatttgca tttcccaaag ccaagcaccg tggganggta g                                521

```

```

<210> 38
<211> 461
<212> DNA
<213> Homo sapien

```

```

<400> 38
tatgaagaag ggaaaagaag ataatttgtg aaagaaatgg gtccagttac tagtctttga      60
aaagggtcag tctgtagctc ttcttaatga gaataggcag ctttcagttg ctgagggtca    120
gatttcctta gtggtgtatc taatcacagg aaacatctgt ggttccctcc agtctctttc    180
tgggggactt gggcccactt ctcatctcat ttaattagag gaaatagaac tcaaagtaca    240
atttactggt gtttaacaat gccacaaaga catggttggg agctatttct tgatttgtgt    300
aaaatgctgt ttttgtgtgc tcataatggt tccaaaaatt ggggtgctggc caaagagaga    360
tactgttaca gaagccagca agaagacctc tgttcattca ccccccgagg gatatcagga    420
attgactcca gtgtgtgcaa atccagtttg gcctatcttc t                                461

```

```

<210> 39
<211> 769
<212> DNA
<213> Homo sapien

```

```

<400> 39
tgagggactg attggtttgc tctctgctat tcaattcccc aagcccactt gttcctgcag      60
cgtcctcctt ctcatctcct ttagttgtac cctctctttc atctgagacc tttccttctt    120

```

gatgtgcct	tttcttcttc	ttgcttttct	tgatgttctg	ctcagcatgt	tctgggtgct	180
tctcatctgc	atcattcctt	tcagatgctg	tagcttcttc	ctcctcttct	tgctcctttt	240
tctttttctt	ttttttgggg	ggcttgctct	ctgactgcag	ttgaggggcc	ccagggctct	300
ggcctttgag	acgagccagg	aaggcctgct	cctgggcctc	taggcgagca	agcttggtct	360
tcattgtgat	cccaagacgg	gcagccttgt	gtgctgttcg	ccccacacag	gcttggagca	420
gcattctcatc	agtcagaatc	tttggggact	tggaccctcg	gttgctgtca	tcactgcagc	480
tctccaagtc	tttgtttggc	ttctctccac	ctgaagtcaa	tgtagccatc	ttcacaaact	540
tctgatacag	caagttgggc	ttgggatgat	tataacgggt	ggctctctta	gaaaggctcc	600
ttatctgtac	tccatcctgc	ccagtttcca	ctaccaagtt	ggccgcagtc	ttgttgaaga	660
gctcattcca	ccagtggttt	gtgaactcct	tggcagggtc	atgtcctacc	ccatgagtgt	720
cttgcttcag	ygtcacctcg	agagcctgag	tgataccatt	ctccttcctg		769

&lt;210&gt; 40

&lt;211&gt; 292

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 40

gacaacatga	aataaatcct	agaggacaaa	attaaactca	atagagtgtg	gtctagttaa	60
aaactcgaaa	aatgagcaag	tctgggtggga	gtggaggaag	ggctatacta	taaatccaag	120
tgggcctcct	gatcttaaca	agccatgctc	attatacaca	tctctgaact	ggacatacca	180
cctttacgca	ggaaacaggg	cttggaactt	ctaagggaaa	ttaacatgca	ccacccacat	240
ctaacctacc	tgccgggtag	gtaccatccc	tgcttcgctg	aatcagtgcc	tc	292

&lt;210&gt; 41

&lt;211&gt; 406

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 41

ttggaattaa	ataaacctgg	aacaggggaag	gtgaaagttg	gagtgagatg	tcttccatat	60
ctataccttt	gtgcacagtt	gaatgggaac	tgtttgggtt	tagggcatct	tagagttgat	120
tgatggaaaa	agcagacagg	aactggtggg	aggtcaagtg	gggaagtggg	tgaatgtgga	180
ataacttacc	tttgtgctcc	acttaaacca	gatgtgttgc	agctttcctg	acatgcaagg	240
atctacttta	attccacact	ctcattaata	aattgaataa	aagggaatgt	tttggcacct	300
gatataatct	gccaggctat	gtgacagtag	gaaggaaatg	tttcccctaa	caagcccaat	360
gcactgggtct	gactttataa	attatttaat	aaaatgaact	attatc		406

&lt;210&gt; 42

&lt;211&gt; 381

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 42

aaactggacc	tgcaacaggg	acatgaattt	actgcarggt	ctgagcaagc	tcagcccctc	60
tacctcaggg	ccccacagcc	atgactacct	cccccaggag	cgggaggggtg	aagggggcct	120
gtctctgcaa	gtggagccag	agtggaggaa	tgagctctga	agacacagca	cccagccttc	180
tcgcaccagc	caagccttaa	ctgcctgcct	gacctgaac	cagaacccag	ctgaactgcc	240
cctccaaggg	acaggaaggc	tgggggaggg	agtttacaac	ccaagccatt	ccaccccctc	300
ccctgctggg	gagaatgaca	catcaagctg	ctaacaattg	ggggaagggg	aaggaagaaa	360
actctgaaaa	caaaatcttg	t				381

<210> 43  
 <211> 451  
 <212> DNA  
 <213> Homo sapien

<400> 43  
 catgcgtttc accactgttg gccaggettg tctcgaactc ctggcctcaa gcaatccacc 60  
 cgccctcagcc tccaaaagtg ctgggattac agatgtgagc catggcacca tgccaaaagg 120  
 ctatatctct ggctctgtgt tccgagact gcttttaate ccaacttctc tacatttaga 180  
 ttaaaaaata ttttattcat ggtcaatctg gaacataatt actgcatctt aagtttccac 240  
 tgatgtatat agaaggctaa aggcacaatt tttatcaaatt ctagtagagt aaccaaacad 300  
 aaaatcatta attactttca acttaataac taattgacat tcccaaaaag agctgttttc 360  
 aatcctgata gggtctttat tttttcaaaa tatatttgcc atgggatgct aatttgcaat 420  
 aaggcgcata atgagaatac cccaaactgg a 451

<210> 44  
 <211> 521  
 <212> DNA  
 <213> Homo sapien

<400> 44  
 gttggacccc cagggactgg aaagacactt cttgcccagag ctgtggcggg agaagctgat 60  
 gttccttttt attatgcttc tggatccgaa tttgatgaga tgtttggtggg tgtgggagcc 120  
 agccgtatca gaaatctttt tagggaagca aaggcgaatg ctcttctgtg tatatttatt 180  
 gatgaattag attctgttgg tgggaagaga attgaatctc caatgcatcc atattcaagg 240  
 cagaccataa atcaacttct tgctgaaatg gatggtttta aacccaatga aggagttatc 300  
 ataataggag ccacaaactt cccagaggca ttagataatg ccttaatacc gtccctggctg 360  
 ttttgacatg caagttacag ttccaaggcc agatgtaaaa ggtcgaacag aaattttgaa 420  
 atgggtatctc aataaaaataa agtttgatca atcccgttga tccagaaatt atagcctcga 480  
 ggtactggtg gcttttccgg aagcagagtt gggagaatct t 521

<210> 45  
 <211> 585  
 <212> DNA  
 <213> Homo sapien

<400> 45  
 gcctacaaca tccagaaaga gtctaccctg cacctggtgc tscgtctcag aggtgggatg 60  
 cagatcttctg tgaagacct gactggtaag accatcactc tcgaagtga gccagtgac 120  
 accatygaga acgtcaaagc aaagatccar gacaaggaag gertycctcc tgaccagcag 180  
 aggttgatct ttgccggaaa gcagctggaa gatggdcgca ccctgtctga ctacaacatc 240  
 cagaaagagt cyaccctgca cctgggtgctc cgtctcagag gtgggatgca ratcttcgtg 300  
 aagacctga ctggtaagac catcacctc gaggtggagc ccagtgcac catcgagaat 360  
 gtcaaggcaa agatccaaga taaggaaggc atccctcctg atcagcagag gttgatcttt 420  
 gctgggaaac agctggaaga tggacgcacc ctgtctgact acaacatcca gaaagagtcc 480  
 actctgcact tggctctgctg cttgaggggg ggtgtctaag tttcccttt taaggtttcm 540  
 acaaatttca ttgcactttc ctttcaataa agttgttgca ttccc 585

<210> 46  
 <211> 481

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 46

```

gaactggggcc ctgagcccaa gtcatgcctt gtgtccgcat ctgccgtgtc acctctgtkc      60
ctgcccctca cccctccctc ctggtcttct gagccagcac catctccaaa tagcctattc      120
cttctctgcaa atcacacaca catgcggggc acacatacct gctgccctgg agatggggaa      180
gtaggagaga tgaatagagg ccatacatt gtacagaagg aggggcaggt gcagataaaa      240
gcagcagacc cagcggcagc tgaggtgcat ggagcacggt tggggccggc attgggctga      300
gcacctgatg ggctcatct cgtgaatcct cgaggcagcg ccacagcaga ggagttaagt      360
ggcacctggg ccgagcagag caggagactg agggtcagag tggaggctaa gctgccctgg      420
aactcctcaa tcttgctgc ccctagtagt gaagccccct tctgccctt acaattcctg      480
a                                                                                   481

```

&lt;210&gt; 47

&lt;211&gt; 461

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(461)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 47

```

atggatctta ctttgccacc caggttggag tgcagtgtcg caatcttggc tcaactgcagc      60
cttaacctcc caggtctcaag ctatcctcct gccaaagcct tccacatagc tgggactaca      120
ggtacacngc caccacaccc agctaaaatt tttgtatttt ttgtagagac gggatctcgc      180
cacgttgccc aggttggtcc catcctgacc tcaagcagat ctgccacct cagcccccca      240
acgtgctagg attacaggcg tgagccaccg caccagcct ttgttttgc tttaatggaa      300
tcaccagttc cctccgtgt ctcagcagca gctgtgagaa atgctttgca tctgtgacct      360
ttatgaaggg gaacttccat gctgaatgag ggtaggatta catgctctg tttccggggg      420
gtcaagaaag cctcagactc cagcatgata agcagggtga g                                                                                   461

```

&lt;210&gt; 48

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 48

```

ataggggctt taaggaggga attcaggttc aatgaggtcg taaggccagg gctcttatcc      60
agtaagactg gggtccttag atgagaaaga gacacccgag gtccctctct ctgccgtgtg      120
aggatgcatc aagaaggcgg ccgtctgcaa gcgaaggaga ggccgcacca gaaaccgaca      180
ccttcattct ggacttgag cctctagaac tgagaaaata actgtctgtt ggttaagcca      240
cccagtttgt agtattctct tatggcttcc taagcagact aacaaacaaa caccacaaat      300
taactgatgg cttcgctgtc ttctgtaaaa attgctatga gagaactttt cactcactgt      360
tttgagttt ctccctcagt cctggttct ttctctcac ataatcccaa tttcaattta      420
tagttcatgg ccaggcaga gtcattcatc acggcatctc ctgagctaaa ccagcacctg      480
ctctgtcac ttcttgactg gctgtcatc atcagccctc ttgcagagat ttcatttctt      540
cccgtgccag gtacttcacg caccaagctc a                                                                                   571

```

<400> 49

<400> 50

<400> 51

```
<210> 52
<211> 682
<212> DNA
```

<400> 52

<210> 53

$\langle 211 \rangle$  311

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

$$\langle 222 \rangle \quad (1) \dots (311)$$

<223> n = A, T, C or G

<400> 53

tttgacttta	gtaggggtct	gaactattta	ttttactttg	ccmgtaatat	ttaraccyta	60
tatatctttc	attatgccat	cttatctttc	aatgbcaagg	gaacagwtgc	taamctggct	120
tctgcattwa	tcacattaaa	aatggctttc	ttggaaaatc	ttcttgatat	gaataaagga	180
tcttttavag	ccatcattta	aagcmggnnt	ctctccaaca	cgagtctgct	sasgggggk	240
gagctgtgaa	ctctggctga	aggctttccc	atacacactg	caatgacmtg	gtttctgacc	300
aqbgtgaqtt	a					311

<210> 54

<211> 561

<212> DNA

<213> Homo sapien

<400> 54

agagaagccc	cataaatgca	atcagtgtgg	gaaggccttc	agtcagagct	caagcctttt	60
cctccatcat	cgggttcata	ctggagagaa	accctatgta	tgtaatgaat	gcggcagagc	120
ctttggtttt	aactctcatc	ttactgaaca	cgtaaggatt	cacacaggag	aaaaacccta	180
tgtttgtaat	gagtgcggca	aagcctttcg	tgggagttcc	actcttgttc	agcatcgaag	240
agttcacact	ggggagaagc	cctaccagtg	cgttgaatgt	gggaaagctt	tcagccagag	300
ctcccagctc	accctacatc	agccgagttc	acactggaga	gaagccctat	gactgtgggtg	360
actgtgggaa	ggccttcagc	cggàgggtcaa	ccctcattca	gcatacagaaa	gttcacagcg	420
gagagactcg	taagtgcaga	aaacatggtc	cagcctttgt	tcatggctcc	agcctcacag	480
cagatggaca	gattcccact	ggagagaagc	acggcagaac	ctttaaccat	ggtgcaaatac	540
tcattctcgcg	ctggacagtt	c				561

<210> 55  
 <211> 811  
 <212> DNA  
 <213> Homo sapien

<400> 55  
 gagacaggggt ctcactttgt caccaggggt ggaatgcagt ggtgcgatct tacgtagctc 60  
 actgcagccc tgacctctg gactcaaaca attctcctgc ctcagccctg caagtagctg 120  
 ggactgtggg tgcattgccac catgacctggc taacttttgt agtttttgta aagatggggg 180  
 ttgcccattg tgcacatgct ggtcttgaac tctgagctc aaacgatctg cccacctcgg 240  
 cctcccagaa tgttgggatt acaggggtaa accaccacgc ctggcccat tagggatttc 300  
 ttagcatcca cttgctcact gagattaatc ataagagatg ataagcactg gaagaaaaaa 360  
 atttttacta ggctttggat atttttttcc tttttcagct ttatacagag gattggatct 420  
 ttagttttcc ttttaactgat aataaaacat tgaaaggaaa taagtttacc tgagattcac 480  
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 cctgttgctt gacaaatgga attgacagcg tatgccatga ctattccatt tgtcaggcat 660  
 acgctgtcaa tttttccacc aatcccttgt ctctctttgg agagatcttc ttatcagcta 720  
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<210> 56  
 <211> 591  
 <212> DNA  
 <213> Homo sapien

<220>  
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 <223> n = A,T,C or G

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 acaaaactag ggggctctgt cttctcatac atcatacaat tttcaagtat tttttttatg 180  
 taaaaagagc tactctatct gaaaaaaaat taaaaaataa atgagacaag atagtttatg 240  
 catcctagga agaaagaatg ggaagaaaga acggggcagt tgggtacaga ttctgtccc 300  
 ctgttcccag ggaccactac cttcctgcc ctgagttccc ccacagctc acccatcatg 360  
 tcacagggca agtgccagg taggtgggga ccagtggaga caggaaccag caacatactt 420  
 tggcctggaa gataaggaga aagtctcaga aacacactgg tgggaagcaa tcccacnggc 480  
 cgtgccccan gagcttccc cctgctgctg gctccctggg tggctttggg aacagcttgg 540  
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 <211> 481  
 <212> DNA  
 <213> Homo sapien

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tttacctctt tacaaattaa ataagcaagt aactggatcc acaatttata atacctgtca 180  
 attttttctg tattaaacct ctatcatagt ttaagcctat tagggactt aatccttaca 240  
 aataaacagg tttaaaatca cctcaatagg caactgcctt tctggttttc ttctttgact 300  
 aaacaatctg aatgcttaag attttccact ttgggtgcta gcagtacaca gtgttacact 360  
 ctgtattcca gacttcttaa attatagaaa aaggaatgta cactttttgt attctttctg 420  
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 a 481

<210> 58  
 <211> 141  
 <212> DNA  
 <213> Homo sapien

<400> 58  
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 caccatgccc agctaatttt t 141

<210> 59  
 <211> 191  
 <212> DNA  
 <213> Homo sapien

<400> 59  
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 ctttacaagt gtaatgagtg tggcaaagcc tttggcaagc agtcaacact tattcaccat 180  
 caggcaattc a 191

<210> 60  
 <211> 480  
 <212> DNA  
 <213> Homo sapien

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 agtccctcct cctatcatga aacaaccccc tatgttctct ccaactaatct ctgctcgttt 360  
 tgggatggga agcatgccc atctgtccat tcatcagcca ttgcctccag ttgcacctat 420  
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<210> 61  
 <211> 381  
 <212> DNA  
 <213> Homo sapien

<400> 61  
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agcttagatg	cagtttcttt	ttcaagagca	tctaattgtt	ctttaagtct	ttggcataat	180
tcttcctttt	ctgatgactt	tctatgaagt	aaactgatcc	ctgaatcagg	tgtgttactg	240
agctgcatgt	ttttaattct	ttcgtttaat	agctgcttct	cagggaccag	atagataagc	300
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caactggtat	cccaaacttc	t				381

&lt;210&gt; 62

&lt;211&gt; 906

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 62

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agaccg						906

&lt;210&gt; 63

&lt;211&gt; 491

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 63

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ggtgggggtga	gggtttctga	cccttcgctt	cccatcccat	aaccgctgtc	aatgagctca	480
caactgtggtc	a					491

&lt;210&gt; 64

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 64

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ccagcatctc	agcagccctc	aaaagtcgtc	ctggggcaag	ctctggttct	cctgactgga	480
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&lt;210&gt; 65

&lt;211&gt; 394

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 65

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atgtaaaccg	ttatcttaca	aagaaagcac	aatatttggg	ataaactaag	tcagtgactt	120
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aagctgaagg	tatcgaccst	agggggctct	agggcagtgg	gaccttcac	cggaaactaac	360
aagggctcggg	gagaggcctc	ttgggctatg	tggg			394

&lt;210&gt; 66

&lt;211&gt; 359

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 66

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attccaaaag	gttaccacag	gggctgtaag	acctagtac	cctcctaagt	gggaaagagg	240
aatggagaat	agtatttctg	atgcatcaag	aacatcagaa	tataaaaactg	agatcataat	300
gaaggaaaat	tccatatcca	atatgagttt	actcagagac	agtagaaact	attcccagg	359

&lt;210&gt; 67

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (450)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 67

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agtggaggag	gacacaggac	tagcccacca	ccttctcttc	ccggtctccc	aagatgactg	180

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cagctccaga	tggccacgtg	gttgccagctg	gactcaatga	aactctgtga	caaccagaag	300
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accctaagca	cagtgcagc	agtgcagccc	cggtcccag	tacctgaaaa	accaaggcct	420
actgnctttt	ggatgctctc	ttggggccacg				450

&lt;210&gt; 68

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 68

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ccggaggggc	agcaaccccc	cgcacacgtc	agccaacagc	agtgcctctg	caggcaccaa	480
gagagcgatg	atggacttga	gcgcctgtgt	c			511

&lt;210&gt; 69

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 69

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ccaggtagtc	agcgtttag	aagcagccct	ccgcagaagc	ctgccggtca	aatctccccg	480
ctataggagc	cccccgagg	gggtcagcac	c			511

&lt;210&gt; 70

&lt;211&gt; 511

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 70

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<211> 511  
<212> DNA  
<213> Homo sapien

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<212> DNA
<213> Homo sapien
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<210> 74
<211> 1567
<212> DNA
<213> Homo sapien
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<210> 75  
 <211> 240  
 <212> DNA  
 <213> Homo sapien

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gggctccaac	ttgcagacgg	cctgttggtg	gacagtctct	gtaatcgga	aagcaaccat	120
ggaagacctg	ggggaaaaca	ccatggtttt	atccacctgt	agatctttga	acaacttcat	180
ctctcagcgt	gcggagggag	gctctggact	ggatatttct	acctcgcccg	cgaccacgct	240

<210> 76  
 <211> 330  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(330)  
 <223> n = A,T,C or G

tagcgyggtc	gcccgcgagg	ycctgcttytc	tgtccagccc	agggcctgtg	gggtcagggc	60
gggtgggtgca	gatggcatcc	actccggtgg	cttccccatc	tttctctggc	ctgagcaagg	120
tcagcctgca	gccagagtac	agagggccaa	cactgggtgtt	cttgaacaag	ggccttagca	180
ggcctgaag	gcccctctct	gtagtgttga	acttctctgga	gccaggccac	atgttctcct	240
cataccgcag	gytagygatg	gtgaagtgtga	gggtgaaata	gtattmangr	agatggctgg	300
caracctgcc	cgggcggccg	ctcsaaatcc				330

<210> 77  
 <211> 361  
 <212> DNA  
 <213> Homo sapien

agcgtgggtcg	cggccgaggt	gtccttcagg	gtctgcttat	gcccttggtc	aagaacacca	60
gtgtcagctc	tctgtactct	gggtgcagac	tgacctgtct	caggcctgag	aaggatgggg	120
cagccaccag	agtggatgct	gtctgcaccc	atcgctctga	ccccaaaagc	cctggactgg	180
acagagagcg	gctgtactgg	aagctgagcc	agctgaccca	cggcatcact	gagctggggc	240
cctacacctt	ggacagggac	agtctctatg	tcaatggttt	cacccatcgg	agctctgtac	300
ccaccaccag	caccgggggtg	gtcagcgagg	agccattcaa	cctgcccggg	cggccgctcg	360
a						361

<210> 78  
 <211> 356

000780" 10292960

<213> Homo sapien

<221> misc feature

<223> n = A, T, C or G

tgtgggnttt	mgagcggccg	cccgggcagg	taccgggggtg	gtcagcagagg	agccattcac	60
actgaacttc	accatcaaca	acctgcggta	tgaggagaac	atgcagcacc	ctggctccag	120
gaagttcaac	accacggaga	gggtccttca	gggcctgctc	aggtccctgt	tcaagagcac	180
cagtgttggc	cctctgtact	ctggctgcag	actgactttg	ctcagacttg	agaaacatgg	240
ggcagccact	ggagtggacg	ccatctgcac	cctccgcctt	gatcccaactg	gtcctggact	300
ggacagagag	cggctatact	gggagctgag	ccagtccctc	ggcggngacn	ccnctt	356

<211> 226

<213> Homo sapien

agcgtgggtcg	cggccgaggt	ccagtcgcag	catgctcttt	ctcctgccca	ctggcacagt	60
gaggaagatc	tctgctgtca	gtgagaaggc	tgtcatccac	tgagatggca	gtcaaaagtg	120
catttaatac	acctaacgta	tcgaacatca	tagcttggcc	caggttatct	catatgtgct	180
cagaacactt	acaatagcct	gcagacctgc	ccgggcggcc	gctcga		226

<211> 444

<213> Homo sapien

<221> misc feature

$\langle 223 \rangle$  n = A, T, C or G

tgtggtgttg	aacttctctg	agncaggggtg	acccatgtcc	tccccatact	gcaggttggt	60
gatggtgaag	ttgaggggtga	atggtaccag	gagagggcca	gcagccataa	ttgtsgrgck	120
gsmgmssgag	gmwggwgtyy	cwgaggttcy	rarrtccact	gtggaggtcc	caggagtgtct	180
ggtggtgggc	acagagstcy	gatgggtgaa	accattgaca	tagagactgt	tcctgtccag	240
ggtgtagggg	cccagctctt	yratgycatt	ggycagttkg	ctyagctccc	agtacagccr	300
ctctckgyyg	mgwccagsgc	ttttggggtc	aagatgatgg	atgcagatgg	catccactcc	360
agtggctgct	ccatccttct	cggacctgag	agaggtcagt	ctgcagccag	agtacagagg	420
qccaacactq	gtgttctttt	aata				444

$\langle 211 \rangle$  310

<213> Homo sapien



&lt;400&gt; 81

tcgagcggcc	gcccgggcag	gtcaggaagc	acattggtct	tagagccact	gcctcctgga	60
ttccacctgt	gctgcggaca	tctccagga	gtgcagaagg	gaagcaggtc	aaactgctca	120
gatcagtcag	actggctggt	ctcagttctc	acctgagcaa	ggtcagtctg	cagccagagt	180
acagagggcc	aacactgggt	ttcttgaaca	agggcttgag	cagaccctgc	agaaccctct	240
tccgtggtgt	tgaacttctt	ggaaaccagg	gtgttgcatg	tttttctca	taatgcaagg	300
ttggtgatgg						310

&lt;210&gt; 82

&lt;211&gt; 571

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)... (571)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 82

acggtttcaa	tggacacttt	tattgtttac	ttaatggatc	atcaattttg	tctcactacc	60
tacaaatgga	atttcatctt	gtttccatgc	tgagtagtga	aacagtgaca	aagctaataca	120
taataaccta	catcaaaaga	gaactaagct	aacactgctc	actttctttt	taacaggcaa	180
aatataaata	tatgcactct	anaatgcaca	atggtttagt	cactaaaaaa	ttcaaattggg	240
atcttgaaga	atgtatgcaa	atccagggtg	cagtgaagat	gagctgagat	gctgtgcaac	300
tgtttaaggg	ttcctggcac	tgcatctctt	ggccactagc	tgaatcttga	catggaaggt	360
tttagctaata	gccaagtggg	gatgcagaaa	atgctaagtt	gacttagggg	ctgtgcacag	420
gaactaaaag	gcaggaaagt	actaaatatt	gctgagagca	tccaccccag	gaaggacttt	480
accttccagg	agctccaaac	tggcaccacc	cccagtgtct	acatggctga	ctttatcctc	540
cgtgttccat	ttggcacagc	aagtggcagt	g			571

&lt;210&gt; 83

&lt;211&gt; 551

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 83

aaggctggtg	ggtttttgat	cctgctggag	aacctccgct	ttcatgtgga	ggaagaaggg	60
aagggaaaag	atgcttcttg	gaacaagggt	aaagccgagc	cagccaaaat	agaagctttc	120
cgagcttcac	tttccaagct	aggggatgtc	tatgtcaatg	atgcttttgg	cactgctcac	180
agagcccaca	gctccatggt	aggagtcaat	ctgccacaga	aggctggtgg	gtttttgatg	240
aagaaggagc	tgaactactt	tgcaaaggcc	ttggagagcc	cagagcgacc	cttcctggcc	300
atcctgggcg	gagctaaagt	tgagacaag	atccagctca	tcaataatat	gctggacaaa	360
gtcaatgaga	tgattattgg	tggtggaatg	gcttttacct	tccttaaggt	gctcaacaac	420
atggagattg	gcacttctct	gtttgatgaa	gagggagcca	agattgtcaa	agacctaatg	480
tccaaagctg	agaagaatgg	tgtgaagatt	accttgccctg	ttgactttgt	cactgctgac	540
aagtttgatg	a					551

&lt;210&gt; 84

&lt;211&gt; 571

&lt;212&gt; DNA

09536601.031000

<400> 84

<210> 85

<211> 561

&lt;212&gt; DNA

<213> Homo sapien

<400> 85

tcaattgcctg	tgatggcatc	tggaaatgtga	tgagcagcca	ggaagtgtga	gatttcattc	60
aatcaaagga	ttcagcatgt	ggtggaagct	gtgaggcaag	agaaacaaga	actgtatggc	120
aagttaagaa	gcacagaggc	aaacaagaag	gagacagaaa	agcagttgca	ggaagctgag	180
caagaaatgg	aggaaatgaa	agaaaagatg	agaaaagttg	ctaaatctaa	acagcagaaa	240
atcctagagc	tggaagaaga	gaatgaccgg	cttagggcag	aggtgcaccc	tgcaggagat	300
acagctaaag	agtgtatgga	aacacttctt	tcttccaatg	ccagcatgaa	ggaagaactt	360
gaaaggggtca	aaatggagta	tgaaaccctt	tctaagaagt	ttcagtcttt	aatgtctgag	420
aaagactctc	taagtgaaga	ggttcaagat	ttaaagcatc	agatagaagg	taatgtatct	480
aaacaagcta	acctagaggc	caccgagaaa	catgataacc	aaacgaatgt	cactgaagag	540
ggaacacagt	ctataccagg	t				561

<210> 86

<211> 795

<212> DNA

<213> Homo sapien

<400> 86

aagccaataa	tcaccattta	ttacttaata	tatgccaaac	actgtacttg	gcagttcaca	60
aattctcacc	gttacaacaa	ccccatgagg	tatttattcc	cattctatag	atagggaaac	120
cacagctcaa	gtaagttagg	aaactgagcc	aagtatacac	agaatacga	gtggcaaaac	180
tagaaggaaa	gactgacact	gctatctgct	ggcctccagt	gtcctggctc	ttttcacacg	240
ggttcaatgt	ctccagcgct	gctgctgctg	ctgcattacc	atgccctcat	tgtttttctt	300
cctctgggtg	tcaactgcat	ccttcaaaga	atctaactca	ttccagagac	cacttatttc	360
tttctctctt	tctgaaatta	cttttaataa	ttcttcatga	gggggaaaag	aagatgcttg	420
ttggtagttt	tgttgtttaa	gctgctcaat	ttgggactta	aacaatttgt	tttcatcttg	480
tacatcctgt	aacagctgtg	ttttgctaga	aagatcactc	tccctctctt	ttagcatggc	540
ttctaacctc	ttcaattcat	tttccttttc	tttcaacaca	atctcaagtt	cttcaaactg	600
tgatgcagaa	gaggcctctt	tcaagttatg	ttgtgctact	tcctgaacat	gtgcttttaa	660
agattcattt	tcttcttgaa	gatcctgtaa	ccacttccct	gtattggcta	ggtctttctc	720
tttctcttcc	aaaacagcct	tcatgggtatt	catctgttcc	tcttttctct	ttaataagtt	780
caggagcttc	agaac					795

<210> 87  
 <211> 594  
 <212> DNA  
 <213> Homo sapien

<400> 87  
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 caactgggtt tatgtcttca ttttttatat ttttgtaaatt taaaaaaatt acaagtttta 120  
 aatagccaat ggctgggtat attttcagaa aacatgatta gactaattca ttaatgggtg 180  
 cttcaagctt ttccttattg gctccagaaa attcaccac cttttgtccc ttcttaaaaa 240  
 actggaatgt tggcatgcat ttgacttcac actctgaagc aacatcctga cagtcatcca 300  
 catctacttc aaggaatata acgttggat acttttcaga gaggggaatga aagaaaggct 360  
 tgatcatttt gcaaggccca caccacgtgg ctgagaagtc aactactaca agtttatcac 420  
 ctgcagcgtc caaggcttcc tgaaaagcag tcttgctctc gatctgcttc accatcttgg 480  
 ctgctggagt ctgacgagcg gctgtaagga ccgatggaaa tggatccaaa gcaccaaaca 540  
 gagcttcaag actcgtcgtc tggcttgaat tcggatccga tategccatg gcct 594

<210> 88  
 <211> 557  
 <212> DNA  
 <213> Homo sapien

<400> 88  
 aagtgttagc attaatgttt tattgtcacg cagatggcaa ctggggtttat gtcttcatat 60  
 tttatatttt tgtaaattaa aaaaattmca agttttaaat agccaatggc tgggttatatt 120  
 ttcagaaaac atgattagac taattcatta atgggtggctt caagcttttc cttattggct 180  
 ccagaaaatt caccacactt ttgtcccttc ttaaaaaact ggaatgttgg catgcatttg 240  
 acttcacact ctgaagcaac atcctgacag tcatccacat ctacttcaag gaatatcacg 300  
 ttggaatact tttcagagag ggaatgaaag aaaggcttga tcattttgca aggcccacac 360  
 cagtggtgctg agaagtcaac tactacaagt ttatcacctg cagcgtccaa ggcttcttga 420  
 aaagcagtct tgctctcgat ctgcttcacc atcttggtctg ctggagtctg acgagcggct 480  
 gtaaggaccg atggaaatgg atccaaagca ccaaacagag cttcaagact cgctgcttgg 540  
 catgaattcg gatccga 557

<210> 89  
 <211> 561  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (561)  
 <223> n = A,T,C or G

<400> 89  
 tacaaaacttt attgaaacgc acacgcgcac acacacaaac acccctgtgg atagggaaaa 60  
 gcacctggcc acagggtcca ctgaaacggg gaggggatgg cagcttgtaa tgtggctttt 120  
 gccacaaccc cttctgaca gggaaggcct tagattgagg cccacacctc catggtgatg 180  
 gggagctcag aatgggggtcc agggagaatt tgggttagggg gaggtgctag ggaggcatga 240  
 gcagagggca ccctccgagt ggggtcccga gggctgcaga gtcttcagta ctgtccctca 300

cagcagctgt ctcaaggctg ggtccctcaa aggggcgtcc cagcgcgggg cctccctgcg 360  
 caaacacttg gtacccctgg ctgocgagcg gaagccagca ggacagcagt ggcgccgac 420  
 agcacaacag acgccctggc ggtagggaca gcaggcccag cctgtcggt tgtctcgga 480  
 gcaggtctgg ttatcatggc agaagtgtcc tccccacact tcacgtcctt cacacccacg 540  
 tganggctac nggccaggaa g 561

<210> 90

<211> 561

<212> DNA

<213> Homo sapien

<400> 90

cccgtgggtg ccatccacgg agttgttacc tgatctttgg aagcaggatc gcccgtctgc 60  
 actgcagtgg aagccccgtg ggcagcagt atggccatcc ccgcatgcc cggcctctgg 120  
 gaaggggag caactggaag tccctgagac ggtaaagatg caggagtggc cggcagagca 180  
 gtgggcatca acctggcagg ggcacccag atgcctgtc agtggttggt gccatttgc 240  
 cagaagggga cggcagcagc tgtagctggc tctccgggg tccaggcagc aggccacagg 300  
 gcagaactga ccatctgggc accgcgttcc agccaccagc cctgctgtta aggccacca 360  
 gtcaccagg gtccacatgg tctgcctgcg tccgactccg cggtccttgg gccctgatgg 420  
 ttctacctgc tgtgagctgc ccagtgggaa gtatggctgc tgccaatgcc caacgccacc 480  
 tgctgctccg atcacctgca ctgctgcccc aagacactgt gtgtgacctg atccagagta 540  
 agtgcctctc caaggagaac g 561

<210> 91

<211> 541

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1) ... (541)

<223> n = A,T,C or G

<400> 91

gaatcacctt tctggtttag ctagtacttt gtacagaaca atgaggtttc ccacagcgga 60  
 gtctccctgg gctctgtttg gctctcggtg aggcaggcct acaccttttc ctctcctcta 120  
 tggagagggg aatatgcatt aaggtgaaaa gtcaccttcc aaaagtgaga aagggattcg 180  
 attgctgctt caggactgtg gaattatttg gaatgtttta caaatggttg ctacaaaaca 240  
 acaaaaaagg taattacaaa atgtgtacat cacaacatgc tttttaaaga cattatgcat 300  
 tgtgtcacat ttcccttaaa tgttgtttcc aaaggtgtc agcctctagc ccagctggat 360  
 tctccgggaa gaggcagaga cagtttggcg aaaaagacac aggggaaggag ggggtggtga 420  
 aaggagaaag cagccttcca gttaaagatc agccctcagt taaaggtcag cttcccgcan 480  
 gctggcctca ngcggagtct gggtcagagg gaggagcagc agcaggggtg gactggggcg 540  
 t 561

<210> 92

<211> 551

<212> DNA

<213> Homo sapien

<400> 92

000T30" T00E0960

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aaccggagcg cgagcagtag ctgggtgggc accatggctg ggatcaccac catcgaggcg      60
gtgaagcgca agatccaggt tctgcagcag caggcagatg atgcagagga gcgagctgag      120
cgctccagc  gagaagttga gggagaaagg cgggcccggg aacaggctga ggctgaggtg      180
gcctccttga accgtaggat ccagctgggt gaagaagagc tggaccgtgc tcaggagcgc      240
ctggccactg ccttgcaaaa gctggaagaa gctgaaaaag ctgctgatga gagtgaagaga      300
ggtatgaagg ttattgaaaa cggggcctta aaagatgaag aaaagatgga actccaggaa      360
atccaactca aagaagctaa gcacattgca gaagaggcag ataggaagta tgaagaggtg      420
gctcgtaagt tggatgatcat tgaaggagac ttggaacgca cagaggaacg agctgagctg      480
gcagagtccc gttgccgaga gatggatgag cagattagac tgatggacca gaacctgaag      540
tgtctgagtg c

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<210> 93
<211> 531
<212> DNA
<213> Homo sapien

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<400> 93
gagaacttgg cctttattgt gggcccagga gggcacaaag gtcaggaggc ccaagggagg      60
gatctggttt tctggatagc caggtcatag catgggtatc agtaggaatc cgctgtagct      120
gcacaggcct cacttgctgc agttccgggg agaacacctg cactgcatgg cgttgatgac      180
ctcgtggtac acgacagagc cattgggtgca gtgcaagggc acgcgcatgg gctccgtcct      240
cgagggcagg cagcaggagc attgctcctg cacatcctcg atgtcaatgg agtacacagc      300
tttgctggca cactttccct ggcagtaatg aatgtccact tcctcttggg acttacaatc      360
tcccactttg atgtactgca ccttggtctg gatgtctttg caatcaggct cctcacatgt      420
gtcacagcag gtgcctggaa ttttcacgat tttgcctcct tcagccagac acttgtgttc      480
atcaaattgt gggcagcccg tgacctctct ctcccagatg tactctctct t

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<210> 94
<211> 531
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

```

```

<400> 94
gcctggacct tgccggatca gtgccacaca gtgacttgct tggcaaattg ccagaccttg      60
ctgcagagtc atcgtgtcaa ttgtgacct ggaccccggc cttcatgtgc caacagccag      120
tctcctgttc ggggtggagga gacgtgtggc tgccgctgga cctgcccttg tgtgtgcacg      180
ggcagttcca ctccgcacat cgtcaccttc gatgggcaga atttcaagct tactggtagc      240
tgctcctatg tcactcttca aaacaaggag caggacctgg aagtgtcctt ccacaatggg      300
gcctgcagcc ccggggcaaa acaagcctgc atgaagtcca ttgagattaa gcatgctggc      360
gtctctgctg agctgcacag taacatggag atggcagtgg atgggagact ggtccttgcc      420
ccgtacgttg gtgaaaacat ggaagtcagc atctacggcg ctatcatgta tgaagtcagg      480
tttaccatc ttggccacat cctcacatac accgccncaa aacaacgagt t

```

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<210> 95
<211> 605
<212> DNA

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caagtatgag	gatgagatca	ataagcgtac	agagatggag	aacgaatttg	tctcatcaa	600
gaaggatgtg	gatgaagctt	acatgaacaa	ggtagagctg	gagtctcgcc	tggagggt	660
gaccgacgag	atcaacttcc	tcaggcagct	gtatgaagag	gagatccggg	agctgcagtc	720
ccagatctcg	gacacatctg	tggtgctgtc	catggacaac	agccgctccc	tggacatgga	780
cagcatcatt	gctgaggtca	aggcacagta	cgaggatatt	gccaacgcga	gccgggctga	840
ggctgagagc	atgtaccagg	tcaagtatga	ggagctgcag	agcctggctg	ggaagcacgg	900
ggatgacctg	cggcgacaaa	agactgagat	ctctgagatg	aacccggaac	atcagcccg	960
ctncaggctg	agattgaggg	cctcaaaggc	caganggctt	ncctggangn	ccgccat	1017

&lt;210&gt; 98

&lt;211&gt; 561

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 98

cccgagacca	gccaacgagc	ggaaaatggc	agacaatttt	tcgctccatg	atgcgttattc	60
tgggtctgga	aacccaaacc	ctcaaggatg	gcctggcgca	tgggggaacc	agcctgctgg	120
ggcagggggc	taccagggg	cttctatcc	tggggcctac	cccgggcagg	cacccccagg	180
ggcttattct	ggacaggcac	ctccaggcgc	ctaccctgga	gcacctggag	cttatcccgg	240
agcacctgca	cctggagtct	accaggggcc	accagcggc	cctggggcct	acccatcttc	300
tggacagcca	agtgccaccg	gagcctaccc	tgccactggc	ccctatggcg	ccctgctgg	360
gccactgatt	gtgccttata	acctgccttt	gcctggggga	gtgggtgctc	gcattgctgat	420
aacaattctg	ggcacgggtga	agcccaatgc	aaacagaatt	gcttttagatt	tccaaagagg	480
gaatgatgtt	gccttccact	ttaaccacg	cttcaatgag	aacaacagga	gagtcattgg	540
ttgcaatata	aagctggata	a				561

&lt;210&gt; 99

&lt;211&gt; 636

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 99

gggaatgcaa	caactttatt	gaaaggaaa	tgcaatgaaa	tttgttgaaa	ccttaaaagg	60
ggaaacttag	acaccccccc	tcragcgmag	kaccargtgc	araggtggac	tctttctgga	120
tgttgtagtc	agacagggtg	cgwccatctt	ccagctgttt	yccrgcaaag	atcaacctct	180
gctgatcagg	aggratgcct	tccttatctt	ggatctttgc	cttgacattc	tcgatgggtg	240
cactgggctc	cacctcgagg	gtgatggtct	taccagttag	ggctcttcacg	aagatytgca	300
tcccacctct	gagacggagc	accaggtgca	gggtgactc	tttctggatg	ttgtagtcag	360
acagggtgcy	yccatcttcc	agctgctttc	csagcaaaga	tcaacctctg	ctggtcagga	420
ggratgcctt	ccttgctcyg	gatctttgcy	ttgacrttct	caatgggtgc	actcggtctc	480
acttcgagag	tgaagggtct	accagtcagg	gtcttcacga	agatctgcat	cccacctcta	540
agacggagca	ccaggtgcag	ggtggactct	ttctggatgg	ttgtagtcag	acagggtgcy	600
tccatcttcc	agctgtttcc	cagcaaagat	caacct			636

&lt;210&gt; 100

&lt;211&gt; 697

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 100

aggttgatct	ttgctgggaa	acagctggaa	gatggacgca	ccctgtctga	ctacaacctat	60
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```
<210> 101
<211> 451
<212> DNA
<213> Homo sapien
```

```
<210> 102
<211> 571
<212> DNA
<213> Homo sapien
```

```
<210> 103
<211> 451
<212> DNA
<213> Homo sapien
```

<400> 103  
gtgcacaggt cccatttatt gtagaaaata ataataatta cagtqatgaa tagctcttct 60





```
<210> 107
<211> 555
<212> DNA
<213> Homo sapien
```

```
<210> 108
<211> 541
<212> DNA
<213> Homo sapien
```

```
<210> 109
<211> 411
<212> DNA
<213> Homo sapien
```

<400> 109  
ctagacctct aattaaaagg cacaatcatg ctggagaatg aacagtctga ccccgagggc 60

cacagcgaat	tttagggaag	gaggcaaaga	ggtgagaagg	gaaaggaaag	aaggaaggaa	120
ggagaacaat	aagaactgga	gacgttgggt	gggtcaggga	gtgtggtgga	ggctcggaga	180
gatggtaaac	aaacctgact	gctatgagtt	ttcaacccca	tagtctaggg	ccatgagggc	240
gtcagttctt	ggtggctgag	ggtccttcca	cccagcccac	ctgggggagt	ggagtgggga	300
gttctgccag	gtaagcagat	gttgtctccc	aagttcctga	cccagatgtc	tggcaggata	360
acgctgacct	gttccctcaa	caagggacct	gaaagtaatt	ttgctcttta	c	411

&lt;210&gt; 110

&lt;211&gt; 451

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 110

ccgaattcaa	gcgtcaacga	tccttccctt	accatcaa	caattggcca	ccaatggtac	60
tgaacctacg	agtacaccga	ctacggcg	actaatcttc	aactcctaca	tacttcccc	120
attattccta	gaaccaggcg	acctgcgact	ccttgacgtt	gacaatcgag	tagtactccc	180
gattgaagcc	cccattcgta	taataattac	atcacaagac	gtcttgact	catgagctgt	240
ccccacatta	ggcttaaaaa	cagatgcaat	tcccgacgt	ctaagccaaa	ccactttcac	300
cgctacacga	ccgggggtat	actacggtca	atgctctgaa	atctgtggag	caaaccacag	360
tttcatgccc	atcgctctag	aattaattcc	cctaaaaatc	tttgaaatag	ggcccgtatt	420
tacctatag	cacccctct	acccctcta	g			451

&lt;210&gt; 111

&lt;211&gt; 541

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 111

gctcttcaca	cttttattgt	taattctctt	cacatggcag	atacagagct	gtcgtcttga	60
agaccaccac	tgaccaggaa	atgccacttt	tacaaaatca	tcccccttt	tcatgattgg	120
aacagttttc	ctgaccgtct	gggagcggtg	aagggtgacc	agcacatttg	cacatgcaaa	180
aaaggagtga	ccccaaaggc	tcaaccacac	ttcccagagc	tcaccatggg	ctgcaggtga	240
cttgccaggt	ttgggggttcg	tgagctttcc	ttgctgctgc	ggtggggagg	ccctcaagaa	300
ctgagaggcc	gggggtatgct	tcatgagtgt	taacatttac	gggacaaaag	cgcatcatta	360
ggataaggaa	cagccacagc	acttcatgct	tgtgaggggt	agctgtagga	gcgggtgaaa	420
ggattccagt	ttatgaaaat	ttaaagcaaa	caacggtttt	tagctgggtg	ggaaacagga	480
aaactgtgat	gtcggccaat	gaccaccatt	tttctgccca	tgtgaaggtc	cccatgaaac	540
c						541

&lt;210&gt; 112

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 112

caagcgcttg	gcgtttggac	ccagttcagt	gaggttcttg	ggttttgtgc	ctttggggat	60
tttggtttga	cccaggggtc	agccttagga	aggctctcag	gaggaggccg	agttccccct	120
cagtaccacc	cctctctccc	cactttccct	ctcccggcaa	catctctggg	aatcaacagc	180
atattgacac	gttgaggccg	agcctgaaca	tgccctcgg	ccccagcaca	tggaaaaccc	240
ccttcccttg	ctaagggtgc	tgagtttctg	gctcttgagg	catttccaga	cttgaaattc	300
tcatcagtc	attgctcttg	agtctttgca	gagaacctca	gatcaggtgc	acctgggaga	360



521

<400> 116

```
<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G
```

<400> 117

<400> 118

tccggagccg	gggtagtcgc	cgccgccgcc	gccggtgcag	ccactgcagg	caccgctgcc	60
gccgcctgag	tagtgggctt	aggaaggaag	aggtcattctc	gctcggagct	tcgctcggaa	120
gggtctttgt	tcctgcagc	cctcccacgg	gaatgacaat	ggataaaaagt	gagctggtac	180
agaaaagccaa	actcgctgag	caggctgagc	gatatgatga	tatggctgca	gccatgaagg	240
cagtcacaga	acaggggcat	gaactctcca	acgaagagag	aaatctgctc	tctgttgccct	300
acaagaatgt	ggtaaggccg	cccgccgctc	ttcctggcgt	gtcatctcca	gcattgagca	360
gaaaacagag	aggaatgaga	agaagcagca	gatgggcaaa	gagtaccgtg	agaagataga	420





<222> (1)...(341)

<223> n = A,T,C or G

<400> 125

atgcaaaagg	ggacacaggg	ggttcaaaaa	taaaaatttc	tettccccct	cccaaacct	60
gtaccccage	tccccgacca	caaccccctt	cctcccccg	ggaaagcaag	aaggagcagg	120
tgtggcatct	gcagctggga	agagagaggg	cggggaggtg	ccgagctcgg	tgtgtgtctc	180
tttccaaata	taaatacgtg	tgtcagaact	ggaaaatcct	ccagcaccca	ccaccaagc	240
actctccgtt	ttctgccggt	gtttggagag	gggcggnggg	caggggcgcc	aggcaccggc	300
tggtgcgggt	ctactgcate	cgctgggtgt	gcaccccgcg	a		341

<210> 126

<211> 521

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(521)

<223> n = A,T,C or G

<400> 126

aggttggaga	aggtcatgca	ggtgcagatt	gtccaggskc	agccacaggg	tcaagcccaa	60
caggcccaga	gtggcactgg	acagaccatg	cagggtgatgc	agcagatcat	cactaacaca	120
ggagagatcc	agcagatccc	ggtgcagctg	aatgccggcc	agctgcagta	tatccgctta	180
gcccagcctg	tatcaggcac	tcaagttgtg	cagggacaga	tccagacact	tgccaccaat	240
gctcaacaga	ttacacagac	agaggtccag	caaggacagc	agcagttcaa	gccagttcac	300
aagatggaca	gcagctctac	cagatccagc	aagtcaccat	gcctgcgggc	cangacctcg	360
ccagcccatg	ttcatccagt	caagccaacc	agcccttcna	cgggcaggcc	ccccaggtga	420
ccggcgactg	aagggcctga	gctggcaagg	ccaangacac	ccaacacaat	ttttgccata	480
cagccccag	gcaatgggca	cagcctttct	tcccagagga	c		521

<210> 127

<211> 351

<212> DNA

<213> Homo sapien

<400> 127

tgagatttat	tgcatttcat	gcagcttgaa	gtccatgcaa	aggrgactag	cacagttttt	60
aatgcattta	aaaaataaaa	gggaggtggg	cagcaaacac	acaaagtcct	agtttcctgg	120
gtccctggga	gaaaagagtg	tggcaatgaa	tccacccact	ctccacaggg	aataaatctg	180
tctcttaaat	gcaaagaatg	tttccatggc	ctctggatgc	aaatacacag	agctctgggg	240
tcagagcaag	ggatggggag	aggaccacga	gtgaaaaagc	agctacacac	attcacctaa	300
ttccatctga	gggcaagaac	aacgtggcaa	gtcttggggg	tagcagctgt	t	351

<210> 128

<211> 521

<212> DNA

<213> Homo sapien

<400> 128



tccagacatg	ctcctgtcct	aggcggggag	caggaaccag	acctgctatg	ggaagcagaa	60
agagttaagg	gaaggtttcc	tttcattcct	gttcctttct	ttttgctttt	gaacagtttt	120
taaatatact	aatagetaag	tcatttgcca	gccagggtccc	ggtgaacagt	agagaacaag	180
gagcttgcta	agaattaatt	ttgctgtttt	tcaccccat	caaacagagc	tgccctgttc	240
cctgatggag	ttccattcct	gccagggcac	ggctgagtaa	cacgaagcca	ttcaagaaag	300
gcgggtgtga	aatcactgcc	accccatgga	cagacccctc	actcttcctt	cttagccgca	360
gcgctactta	ataaatatat	ttatactttg	aaattatgat	aaccgatttt	tcccatgcgg	420
catcctaagg	gcacttgcca	gctcttatcc	ggacagtcaa	gcactgttgt	tggacaacag	480
ataaaggaaa	agaaaaagaa	gaaaacaacc	gcaacttctg	t		521

&lt;210&gt; 129

&lt;211&gt; 521

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 129

tgagacggac	cactggcctg	gtccccctc	atktgctgtc	gtaggacctg	acatgaaacg	60
cagatctagt	ggcagagagg	aagatgatga	ggaacttctg	agacgtcggc	agcttcaaga	120
agagcaatta	atgaagctta	actcaggcct	gggacagttg	atcttgaaag	aagagatgga	180
gaaagagagc	cgggaaaggt	catctctgtt	agccagtcgc	tacgattctc	ccatcaactc	240
agcttcacat	attccatcat	ctaaaactgc	atctctccct	ggctatggaa	gaaatgggct	300
tcaccggcct	gtttctaccg	acttcgctca	gtataacagc	tatggggatg	tcagcggggg	360
agtgcgagat	taccagacac	ttccagatgg	ccacatgcct	gcaatgagaa	tggaccgagg	420
agtgtctatg	ccaacatgt	tggaaacaaa	gatatttcca	tatgaaatgc	tcatggtgac	480
caacagaggg	ccgaaaccaa	atctcagaga	ggtggacaga	a		521

&lt;210&gt; 130

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 130

tcactttatt	tttcttgat	aaaaacccta	tgttgtagcc	acagctggag	cctgagtcgc	60
ctgcacggag	actctgggtg	gggtcttgac	gaggtggtca	gtgaactcct	gatagggaga	120
cttggtgaat	acagtctcct	tccagaggtc	gggggtcagg	tagctgtagg	tcttagaaat	180
ggcatcaaag	gtggccttgg	cgaagttgcc	caggggtgca	gtgcagcccc	gggctgaggt	240
gtagcagtca	tcgataccag	ccatcatgag				270

&lt;210&gt; 131

&lt;211&gt; 341

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 131

ctggaatata	gacccgtgat	cgacaaaact	ttgaacgagg	ctgactgtgc	caccgtcccc	60
ccagccattc	gtcctactg	atgagacaag	atgtggtgat	gacagaatca	gcttttgtaa	120
ttatgtataa	tagctcatgc	atgtgtccat	gtcataactg	tcttcatacg	cttctgcact	180
ctggggaaga	aggagtacat	tgaagggaga	ttggcaccta	gtggctggga	gcttgccagg	240
aacccagtgg	ccagggagcg	tggcacttac	ctttgtccct	tgcttcattc	ttgtgagatg	300
ataaaaactg	gcacagctct	taaataaaat	ataaatgaac	a		341

<210> 132  
 <211> 844  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)... (844)  
 <223> n = A,T,C or G

<400> 132  
 tgaatgggga ggagctgacc caggaaatgg agcttgngga gaccaggcct gcaggggatg 60  
 gaaccttcca gaagtgggca tctgtggtgg tgcctcttgg gaaggagcag aagtacacat 120  
 gccatgtgga acatgagggg ctgcctgagc ccctcaccct gagatggggc aaggaggagc 180  
 ctcccttcac caccaagact aacacagtaa tcattgctgt tccgggtgtc cttggagctg 240  
 tgggtcatcct tggagctgtg atggcctttg tgatgaagag gaggagaaac acaggtggaa 300  
 aaggagggga ctatgctctg gctccaggct ccagagctc tgatatgtct cttccagatt 360  
 gtaaagtgtg aagacagctg cctgggtgtg acttggtgac agacaatgtc ttcacacatc 420  
 tcctgtgaca tccagagacc tcagttctct ttagtcaagt gtctgatgtt ccctgtgagt 480  
 ctgcgggctc aaagtgaaga actgtggagc ccagtcacc cctgcacacc aggaccctat 540  
 ccctgcactg ccctgtgttc cttccacag ccaaccttgc tgctccagcc aaacatttgt 600  
 ggacatctgc agcctgtcag ctccatgcta ccctgacctt caactcctca cttccacact 660  
 gagaataata atttgaatgt ggggtggctgg agagatggct cagcgtgac tgctcttcca 720  
 aaggctctga gttcaaattc cagcaaccac atgggtggctc acaaccatct gtaatgggat 780  
 ctaataccct cttctgcagt gtctgaagac asctacagt taattacata taataataaa 840  
 taag 844

<210> 133  
 <211> 601  
 <212> DNA  
 <213> Homo sapien

<400> 133  
 ggccgggggc gcgcgcccc gccacacgca cgccggggcgt gccagtttat aaagggagag 60  
 agcaagcagc gagtcttgaa gctctgtttg gtgcttttga tccatttcca tcggtcctta 120  
 cagccgctcg tcagactcca gcagccaaga tgggtgaagc gatcgagagc aagactgctt 180  
 ttcaggaagc cttggacgct gcaggtgata aacttgtagt agttgacttc tcagccacgt 240  
 ggtgtggggc ttgcaaaatg atcaagcctt tctttcattc cctctctgaa aagtattcca 300  
 acgtgatatt ccttgaagta gatgtggatg actgtcagga tgttgcttca gagtgtgaag 360  
 tcaaatgcat gccaacattc cagtttttta agaagggaca aaaggtgggt gaattttctg 420  
 gagccaataa ggaaaagctt gaagccacca ttaatgaatt agtctaata tgttttctga 480  
 aaatataacc agccattggc tatttaaaac ttgtaatttt tttaatttac aaaaatataa 540  
 aatatgaaga cataaaccem gttgccatct gcgtgacaat aaaacattaa tgctaacact 600  
 t 601

<210> 134  
 <211> 421  
 <212> DNA  
 <213> Homo sapien

<400> 134

000T80" T080960

```
<210> 135
<211> 511
<212> DNA
<213> Homo sapien
```

```
<210> 136
<211> 341
<212> DNA
<213> Homo sapien
```

```
<210> 137
<211> 551
<212> DNA
<213> Homo sapien
```

<400> 137						
gatgtgttg	accctctgtg	tcaaaaaaaaa	cctcacaaag	aatcccctgc	tcattacaga	60
agaagatgca	tttaaaatat	gggttatatt	caacttttta	tctgaggaca	agtatccatt	120
aattattgtg	tcagaagaga	ttgaatacct	gcttaagaag	cttacagaag	ctatgggagg	180
aggttggcag	caagaacaat	ttgaacatta	taaaatcaac	tttgatgaca	gtaaaaatgg	240
cctttctgca	tgggaactta	ttgagcttat	tggaaatgga	cagtttagca	aaggcatgga	300
ccggcgact	gtgtctatgg	caattaatga	agtctttaat	gaacttatat	tagatgtgtt	360
aaagcagggt	tacatgatga	aaaagggcc	cagacggaaa	aactggactg	aaagatgggt	420

tgtactaaaa cccaacataa tttcttacta tgtgagtgag gatctgaagg ataagaaagg 480  
 agacattctc ttggatgaaa attgctgtgt agaagtcctt gcctgacaaa agatggaaag 540  
 aaatgccttt t 551

<210> 138  
 <211> 531  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(531)  
 <223> n = A,T,C or G

<400> 138  
 gactggttct ttatttcaaa aagacacttg tcaatattca gtrtcaaaac agttgcacta 60  
 ttgatttctc tttctcccaa tgcggcccaa agagaccaca taaaaggaga gtacatttta 120  
 agccaataag ctgcaggatg tacacctaac agacctcta gaaaccttac cagaaaatgg 180  
 ggactgggta ggggaaggaaa cttaaaagat caacaaactg ccagcccacg gactgcagag 240  
 gctgtcacag ccagatgggg tggccagggt gccacaaacc caaagcaaag tttcaaaata 300  
 atataaaatt taaaaagttt tgtacataag ctattcaaga tttctccagc actgactgat 360  
 acaaagcaca attgagatgg cacttctaga gacagcagct tcaaaccag aaaaggggtga 420  
 tgagatgaag tttcacatgg ctaaatacgt ggcaaaaaca cagtcttctt tctttctttc 480  
 tttcaaggan gcaggaaagc aattaagtgg tcaccttaac ataaggggga c 531

<210> 139  
 <211> 521  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(521)  
 <223> n = A,T,C or G

<400> 139  
 tgggtgggca ccatggctgg gatcaccacc atcgaggcgg tgaagcgcaa gatccagggt 60  
 ctgcagcagc aggcagatga tgcagaggag cgagctgagc gcctccagcg agaagttgag 120  
 ggagaaaaggc gggcccgga acaggctgag gctgagggtg cctccttgaa ccgtaggata 180  
 cagctggttg aagaagagct ggaccgtgct caggagcgcc tggccactgc cctgcaaaag 240  
 ctggaagaag ctgaaaaagc tgctgatgag agtgagagag gtatgaaggt tattgaaaac 300  
 cgggccttaa aagatgaaga aaagatggaa ctccaggaaa tccaactcaa agaagctaag 360  
 cacattgcag aagaggcaga taggaagtat gaagagggtg ctcgtaagtt ggtgattcatt 420  
 gaaggagact tggaaaccga cagaaggaac gagcttgagc ttggcaaaag tcccgttgcc 480  
 cagagatggg atgaaccaga ttagactgat ggaccanaac c 521

<210> 140  
 <211> 571  
 <212> DNA  
 <213> Homo sapien

09636801.08.1000

<400> 140

<210> 141

<211> 531

## <21.2> DNA

<213> Homo sapien

<400> 141

<210> 142

<211> 491

<212> DNA

<213> Homo sapien

**<220>**

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (491)$ 

<223> n = A, T, C or G

<400> 142

acctagacag	aaggtgggtg	agggaggact	ggtaggaggc	tgaggcaatt	ccttggtagt	60
ttgtcctgaa	accctactgg	agaagtcagc	atgaggcacc	tactgagaga	agtgcccaga	120
aactgctgac	tgcattctgtt	aagagttaac	agtaaagagg	tagaagtgtg	tttctgaatc	180
agagtggaaag	cgtctcaagg	gtcccacagt	ggaggtccct	gagctacctc	ccttcctgta	240
gtgggaagag	tgaagcccat	gaagaactga	gatgaagcaa	ggatgggggtt	cctgggctcc	300
aggcaagggc	tgtgctctct	gcagcaggga	gccccacgag	tcagaagaaa	agaactaatc	360
atttgttgca	agaaaccttg	cccgatact	agcggaaaac	tggaggcggn	ggtgggggca	420

```
<210> 143
<211> 515
<212> DNA
<213> Homo sapien
```

```
<210> 144
<211> 340
<212> DNA
<213> Homo sapien
```

```
<210> 145
<211> 630
<212> DNA
<213> Homo sapien
```

<210> 146

<211> 521  
 <212> DNA  
 <213> Homo sapien

<400> 146

atggctgctg	gatttaggtg	gtaatagggg	ctgtggggcca	taaatctgaa	gccttgagaa	60
ccttggttct	ggagagccat	gaagagggaa	ggaaaagagg	gcaagtccctg	aacctaacca	120
atgacctgat	ggattgctcg	accaagacac	agaagtgaag	tctgtgtctg	tgcacttccc	180
acagactgga	gtttttgggtg	ctgaatagag	ccagttgcta	aaaaattggg	ggtttgggtga	240
agaaatctga	ttgttgtgtg	tattcaatgt	gtgattttta	aaataaacag	caacaacaat	300
aaaaaccctg	actggctgtt	ttttccctgt	attctttaca	actatTTTTT	gacctctga	360
aaattattat	acttcaccta	aatggaagac	tgtgtgtgtt	gtggaaattt	tgtaatTTTT	420
taattttatt	tattctctct	cctttttatt	ttgcctgcag	aatccgttga	gagactaata	480
aggcttaata	tttaattgat	ttgtttaata	tgtatataaa	t		521

<210> 147  
 <211> 562  
 <212> DNA  
 <213> Homo sapien

<400> 147

ggcatgctg	cgcactcggc	ggacgcaagg	gcgggcgggga	gcacacggag	cactgcaggc	60
gccgggttgg	gacagcgtct	tcgtctgtgc	tggatagtcg	tgttttcggg	gatcgaggat	120
actcaccaga	aaccgaaaat	gccgaaacca	atcaatgtcc	gagttaccac	catggatgca	180
gagctggagt	ttgcaatcca	gccaaataca	actggaaaac	agctttttga	tcagggtgta	240
aagactatcg	gcctccggga	agtgtggtac	tttggcctcc	actatgtgga	taataaagga	300
tttctacct	ggctgaagct	ggataagaag	gtgtctgccc	aggaggtcag	gaaggagaat	360
cccctccagt	tcaagttccg	ggccaaagtt	ctaccctgaa	gatgtggctg	aggagctcat	420
ccaggaatc	accagaaac	ttttcttct	tcaagtgaag	gaaggaatcc	ttagcgatga	480
gatctactgc	cccccttgar	actgccgtgc	tcttggggtc	ctacgcttgt	gcatgccaa	540
tttggggact	accaccaaga	ag				562

<210> 148  
 <211> 820  
 <212> DNA  
 <213> Homo sapien

<400> 148

gaaggagtgc	ggatactcag	cattgatgca	ccccaatctc	aaagcggcat	tcttcggcag	60
gtctctggga	caatctctag	ggcactacc	tggaaactcg	ttagggtaca	actgaatgct	120
gaaaggaaag	aacacctgca	gaaccggaca	gaaattcacc	ccggcgatca	gctgattgat	180
ctcggctcag	cagaagtcat	ggctaaagat	gacgaggacg	ttgtcaattc	cctgggcttt	240
tcgaagttag	tccagcagca	gtctgaggta	ttcggggcgg	ttatgcacct	ggaccaccag	300
caccagctcc	cggggggccc	aggtgccagc	cttatctaca	ttcctcaggg	tctgatcaaa	360
gttcagctgg	tacaccaggg	accggtaccg	cagcgtcagg	ttgtccgctc	gggctggggg	420
accgccggga	ccagggaagc	cgcgcacag	ttggagaccc	tgccgatgcc	cacagccaca	480
gaggggtggt	ccccaccg	gcgcgcggca	ccccgcgcgg	gttcggcgct	cagcaacggg	540
ggggcgaggg	cctcgtttct	cctttgtcgc	ccattgctgc	tccagaggac	gaagccgcag	600
gcgccacca	cgagcgtcag	gatttagcacc	ttcgttttgt	agatgcggaa	cctcatggct	660
tccagggcgg	ggagcgcagc	tacagctcga	gcgtcggcgc	cgcgcgtagg	agccgcggct	720
cggcttcgtc	tccgtcctct	ccattcagca	ccacgggtcc	cggaaaaagc	tcagccscgg	780

tcccaaccgc accctagctt cgttacctgc gctcgccttg

820

<210> 149  
<211> 501  
<212> DNA  
<213> Homo sapien

<400> 149  
cagatttttta tttgcagtcg tcaactggggc cgtttcttgc tgcttatttg tctgctagcc 60  
tgctcttcca gctgcatggc caggcgcaag gccttgatga catctcgcag ggctgagaaa 120  
tgcttggtctt gctgggccag agcagattcc gctttgttca caaaggcttc caggtcatag 180  
tctggtctgt cggtcattct agagagctca agccagtctg gtccttgctg tatgatctcc 240  
ttgagctctt ccatagcctt ctctctcage tccctgatct gaggcatggc ttcgttaaag 300  
ctggacatct gggaagacag ttctctctct tccctggata aattgcctgg aatcagcgcc 360  
ccgttagagc aggtctccat ctcttctgtt tccatttgaa tcaactgctc tccactgggc 420  
ccactgtggg ggctcagctc cttgacctg ctgcatatct taagggtgtt taaaggatat 480  
tcacaggagc ttatgcctgg t 501

<210> 150  
<211> 511  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)... (511)  
<223> n = A,T,C or G

<400> 150  
ctctctcttg tacatgaacc caagttgaaa gtggacttaa caaagtatct ggagaaccaa 60  
gcattctgct ttgactttgc atttgatgaa acagcttcga atgaagttgt ctacagggtc 120  
acagcaaggc cactggtaca gacaatcttt gaaggtggaa aagcaacttg ttttgcatat 180  
ggccagacag gaagtggcaa gacacatact atgggaggag acctctctgg gaaagcccag 240  
aatgcatcca aagggatcta tgccatggcc ttccgggacg tcttctctctg aagaatcaac 300  
cctgctaccg gaagtggggc ctggaagtct atgtgacatt ctctgagatc tacaatggga 360  
agctgtttga cctgctcaac aagaaggcca agcttgccg tgctggaaga cggcaagcaa 420  
caggtgcaag tgggtggggc ttgcaggaac atctggntaa ctctgcttga tgatggcant 480  
caagatgacg gacatgggca gcgcctgcag a 511

<210> 151  
<211> 566  
<212> DNA  
<213> Homo sapien

<400> 151  
tcccgaattc aagcgacaaa ttggawagt aaatggaaga tgcctatcat gaacatcagg 60  
caaactcttt gcgccaagat ctgatgagac gacaggaaga attaagacgc atggaagaac 120  
ttcacaatca agaaatgcag aaacgtaaag aaatgcaatt gaggcaagag gaggaacgac 180  
gtagaagaga ggaagagatg atgattcgtc aacgtgagat ggaagaacaa atgaggcgcc 240  
aaagagagga aagttacagc cgaatgggct acatggatcc acgggaaaga gacatgcgaa 300  
tggtgtggcg aggagcaatg aacatgggag atccctatgg ttcaggaggc cagaaatttc 360

00636801.061000



cacctctagg	aggtggtggt	ggcataggtt	atgaagctaa	tcctggcggt	ccaccagcaa	420
ccatgagtgg	ttccatgatg	ggaagtgaca	tgctactga	gcgctttggg	cagggaggtg	480
cggggcctgt	gggtggacag	ggtcctagag	gaatggggcc	tggaactcca	gcaggatatg	540
gtagagggag	agaagagtac	gaaggc				566

<210> 152  
 <211> 518  
 <212> DNA  
 <213> Homo sapien

<400> 152						
ttcgtgaaga	ccctgactgg	taagaccatc	actctcgaag	tggagcccga	gtgacaccat	60
tgagaatgtc	aaggcaaaga	tccaagacaa	ggaaggcatc	cctcctgacc	agcakaggtt	120
gatctttgct	gggaaacagc	tggaagatgg	acgcaccctg	tctgactaca	acatccagaa	180
agagtccacc	ctgcacctgg	tgctccgtct	cagaggtggg	atgcaaactc	tcgtgaagac	240
cctgactggg	aagaccatca	ccctcgaggt	ggagcccagt	gacaccatcg	agaatgtcaa	300
ggcaaagatc	caagataagg	aaggcatccc	tcctgatcag	cagaggttga	tctttgctgg	360
gaaacagctg	gaagatggac	gcacccctgtc	tgactacaac	atccagaaag	agtccactct	420
gcacttggtc	ctgcgcttga	gggggggtgt	ctaagtttcc	ccttttaagg	tttcaacaaa	480
tttcattgca	ctttcctttc	aataaagttg	ttgcattc			518

<210> 153  
 <211> 542  
 <212> DNA  
 <213> Homo sapien

<400> 153						
gcgcgggtgc	gtgggccact	gggtgaccga	cttagcctgg	ccagactctc	agcacctgga	60
agcgccccga	gagtgcacgc	gtgaggctgg	gagggaggac	ttggcttgag	cttggttaaac	120
tctgctctga	gcctccttgt	cgctgcatt	tagatggctc	ccgcaaagaa	gggtggcgag	180
aagaaaaagg	gccgttctgc	catcaacgaa	gtggtaacct	gagaatacac	catcaacatt	240
cacaagcgca	tccatggagt	gggcttcaag	aagcgtgcac	ctcgggcact	caaagagatt	300
cggaaatttg	ccatgaagga	gatgggaact	ccagatgtgc	gcattgacac	caggctcaac	360
aaagctgtct	gggcccagg	aataaggaat	gtgccatacc	gaatccgtgt	gcggctgtcc	420
agaaaacgta	atgaggatga	agattcacca	aataagctat	atactttggt	tacctatgta	480
cctgtttacca	ctttcaaaaa	tctacagaca	gtcaatgtgg	atgagaacta	atcgctgac	540
gt						542

<210> 154  
 <211> 411  
 <212> DNA  
 <213> Homo sapien

<400> 154						
aattctttat	ttaaataaac	aaactcatct	tcctcaagcc	ccagaccatg	gtaggcagcc	60
ctccctctcc	atccctcac	cccaccctt	agccacagtg	aagggaatgg	aaaatgagaa	120
gccacgaggg	ccctgccag	ggaaggctgc	cccagatgtg	tggtagcac	agtacgtgca	180
gctgtggctg	gggcagcagc	tgccacaggc	tcctccctat	aaattaagtt	cctgcagcca	240
cagctgtggg	agaagcatac	ttgtagaagc	aaggccagtc	cagcatcaga	aggcagaggc	300
agcatcagtg	actcccagcc	atggaatgaa	cggaggacac	agagctcaga	gacagaacag	360
gccaggggga	agaaggagag	acagaatagg	ccagggcatg	gcgggtgagg	a	411

<210> 155  
 <211> 421  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(421)  
 <223> n = A,T,C or G

<400> 155  
 tgatgaatct ggggtgggctg gcagtagccc gagatgatgg gctcttctct ggggatccca 60  
 actggttccc taagaaatcc aaggagaatc ctcggaactt ctcggataac cagctgcaag 120  
 agggcaagaa cgtgatcggg ttacagatgg gcaccaaccg cggggcgtct cangcaggca 180  
 tgactggcta cgggatgccg cgccagatcc tctgatccca ccccaggcct tgcccctgcc 240  
 ctcccacgaa tggttaatat atatgtagat atatatttta gcagtgcacat tcccagagag 300  
 ccccagagct ctcaagctcc tttctgtcag ggtggggggg tcaagcctgt cctgtcacct 360  
 ctgaagtgcc tgctggcatc ctctcccca tgcttactaa tacattccct tccccatagc 420  
 c 421

<210> 156  
 <211> 670  
 <212> DNA  
 <213> Homo sapien

<400> 156  
 agcggagctc cctccccctgg tggttacaac ccacacacgc caggctcagg catcgagcag 60  
 aactccagcg actgggtaac cactgacatt cagggtgaagg tgcgggacac ctacctggat 120  
 acacaggtgg tgggacagac aggtgtcatc cgcagtgtca cggggggcat gtgctctgtg 180  
 tacctgaagg acagtgagaa ggttgtcagc atttccagtg agcacctgga gcctatcacc 240  
 cccaccaaga acaacaaggt gaaagtgate ctgggagagg atcgggaagc cacgggcgtc 300  
 ctactgagca ttgatgggta ggatggcatt gtccgtatgg accttgatga gcagctcaag 360  
 atcctcaacc tccgttccct ggggaagctc ctggaagcct gaagcaggca gggccgggtg 420  
 acttctgctg atgaagagtg atcctccttc cttccctggc ccttggctgt gacacaagat 480  
 cctcctgcag ggctaggcgg attgttctgg atttcccttt gtttttccct ttaggtttcc 540  
 atcttttccc tccctgggtc tcattggaat ctgagtagag tctgggggag ggtccccacc 600  
 ttctgtacc tctcccccac agcttgcttt tgttgtaacc tctttcaata aaaagaagct 660  
 gtttgggtcta 670

<210> 157  
 <211> 421  
 <212> DNA  
 <213> Homo sapien

<400> 157  
 gggtcacagc actgctgctt gtgtgttgcc ggccaggaat tccaggctca caaggctatc 60  
 ttagcagctc gttctccggt ttttagtgcc atgtttgaac atgaaatgga ggagagcaaa 120  
 aagaatcgag ttgaaatcaa tgatgtggag cctgaagttt ttaaggaaat gatgtgcttc 180  
 atttacacgg ggaaggctcc aaacctcgac aaaatggctg atgatttgct ggcagctgct 240  
 gacaagtatg ccctggagcg cttaaaggct atgtgtgagg atgccctctg cagtaacctg 300

tccgtggaga acgtgcaga aattctcacc ctggccgacc tccacagtgc agatcagttg 360  
 aaaactcagg cagtggattt catcaactat catgcttcgg atgtcttga gacctcttgg 420  
 g 421

<210> 158  
 <211> 321  
 <212> DNA  
 <213> Homo sapien

<400> 158  
 tcgtagccat ttttctgctt ctttggagaa tgacgccaca ctgactgctc attgtcgttg 60  
 gttccatgcc aattgggtgaa atagaacctc atccggtagt ggagccggag ggacatcttg 120  
 tcatcaacgg tgatgggtgcg atttggagca taccagagct tgggtgttctc gccatacagg 180  
 gcaaagaggt tgtgacaaaag aggagagata cggcatgcct gtgcagccct gatgcacagt 240  
 tcctctgctg tgtactctcc actgccccagc cggagggggct cctgtccga cagatagaag 300  
 atcacttcca cccctggctt g 321

<210> 159  
 <211> 596  
 <212> DNA  
 <213> Homo sapien

<400> 159  
 tggcacactg ctcttaagaa actatgawga tetgagattt ttttgtgtat gtttttgact 60  
 cttttgagt gtaatcatat gtgtctttat agatgtacat acctccttgc acaaattggag 120  
 gggaattcat tttcatcact gggagtgtcc ttagtgtata aaaaccatgc tggatatatgg 180  
 cttcaagttg taaaaatgaa agtgacttta aaagaaaata ggggatggtc caggatctcc 240  
 actgataaga ctgtttttta gtaacttaag gacctttggg tctacaagta tatgtgaaaa 300  
 aaatgagact tactgggtga ggaaattcat tgtttaaaga tggtcgtgtg tgtgtgtgtg 360  
 tgtgtgtgtg ttgtgttgtg ttttgttttt taagggaggg aatttattat ttaccgttgc 420  
 ttgaaattac tgkgtaaata tatgtytgat aatgatttgc tytttgvcma ctaaaattag 480  
 gvctgtataa gtwtaratg cmtccctggg kgttgatytt ccmagatatt gatgatamcc 540  
 cttaaaattg taaccygcct ttttcccttt gctytcmttt aaagtctatt cmaaag 596

<210> 160  
 <211> 515  
 <212> DNA  
 <213> Homo sapien

<400> 160  
 gggggtaggc tctttattag acggttattg ctgtactaca gggtcagagt gcagtgtgaa 60  
 cagtgtcaga ggcccgctt cagcccaaga atgtggattt tctctcccta ttgatcacag 120  
 tgggtgggtt tcttcagaaa agccccagag gcagggacca gtgagctcca aggttagaag 180  
 tggaactgga aggttccagt cacatgctgc ttcacgctt ccaggctggg cagcaaggag 240  
 gagatgcca tgacgtgcca ggtctcccca tctgacacca gtgaagtctg gtaggacagc 300  
 agccgcacgc ctgcctctgc caggaggcca atcatggtag gcagcattgc agggtcagag 360  
 gtctgagtcc ggaataggag caggggcagg tccctgcgga gaggcacttc tggcctgaag 420  
 acagctccat tgagccctg cagtacaggy gtagtgctt ggaccaagcc cacagcctgg 480  
 taagggggcgc ctgccagggc cagggccagg aggca 515

<210> 161

000780" 0899560

<211> 936  
 <212> DNA  
 <213> Homo sapien

<400> 161

taattttctta	gtcgttttga	atccttaagc	atgcaaaagc	tttgaacaga	agggttcaca	60
aaggaaccag	ggttgtctta	tggcatccag	ttaagccaga	gctgggaatg	cctctgggtc	120
atccacatca	ggagcagaag	cacttgactt	gtcggctctg	ctgccacggt	ttgggcgccc	180
accacgcccc	cgtccacctc	gtcctcccc	gccgccacgt	cctgggcggc	caaggctctc	240
aaaattgata	tccagctgag	acgttatata	atttgctggc	ttccggaaat	gatgggtccat	300
aaccgaatct	tcagcatgag	cctcttcact	ctttgattta	tgaagaacaa	atcccttctt	360
ccactgcccc	tcagcacctt	catttggttt	tccgatatta	aattctactt	ttgcccggtc	420
cttattttga	atagccttcc	actcatccaa	agtcactctt	tttggaccct	cctctttttac	480
ctcttcaact	tcattctcct	tattttcagt	gtctgccact	ggatgatgtt	cttcaccttc	540
aggtgtttcc	tcagtcacat	ttgattgata	caagtcagtt	aattcgtctt	tgacagttcc	600
ccagttgtga	gacccgtac	ctccacgttt	gtcctcgtgc	ttcaggccag	atctatcact	660
tccactatgc	ctatcaaatt	caggtttgcc	acgagaatca	aatccatctc	ctcggcccat	720
tccacgtcca	cggccccctc	gacctcttcc	aagaccacca	cgacctcgaa	taggtcggtc	780
aataatcggt	ctatcaactg	aaaattcgcc	tccttcaccc	ttttcttcaa	gtggcttttc	840
gaatcttctg	tcacgaggtg	gtcgcttttc	tggtcttcta	tcaattattt	tcccttcacc	900
ctgaagttgt	tgatcaggtc	ttcttccaac	tcgtgc			936

<210> 162  
 <211> 950  
 <212> DNA  
 <213> Homo sapien

<400> 162

aagcggatgg	acctgagtca	gccgaatcct	agcccccttc	cttgggcctg	ctgtggtgct	60
cgacatcagt	gacagacgga	agcagcagac	catcaaggct	acgggaggcc	cggggcgctt	120
gcgaagatga	agtttggtcg	cctctccttc	cggcagcctt	atgctggctt	tgtcttaaatt	180
ggaatcaaga	ctgtggagac	gcgctggcgt	cctctgctga	gcagccagcg	gaactgtacc	240
atcgccgtcc	acattgctca	cagggactgg	gaaggcgatg	cctgtcggga	gctgctggtg	300
gagagactcg	ggatgactcc	tgctcagatt	caggccttgc	tcaggaaagg	ggaaaagtgt	360
ggtcgaggag	tgatagcggg	actcgttgac	attggggaaa	ctttgcaatg	ccccgaagac	420
ttaactcccc	atgaggttgt	ggaactagaa	aatcaagctg	cactgaccaa	cctgaagcag	480
aagtacctga	ctgtgatttc	aaaccccagg	tggttactgg	agcccatacc	taggaaagga	540
ggcaaggatg	tattccaggt	agacatccca	gagcacctga	tccctttggg	gcatgaagtg	600
tgacaagtgt	gggctcctga	aaggaatggt	ccrgagaaac	cagctaaatc	atggcacctt	660
caatttgcca	tcgtgacgca	gacctgtata	aattaggtta	aagatgaatt	tccactgctt	720
tggagagtcc	cacccactaa	gcactgtgca	tgtaaacagg	ttcctttgct	cagatgaagg	780
aagtaggggg	tggggctttc	cttgtgtgat	gcctccttag	gcacacaggc	aatgtctcaa	840
gtactttgac	cttagggtag	aaggcaaagc	tgccagtaaa	tgtctcagca	ttgctgctaa	900
ttttggctct	gctagtttct	ggattgtaca	aataaatgtg	ttgtagatga		950

<210> 163  
 <211> 475  
 <212> DNA  
 <213> Homo sapien

<220>



&lt;400&gt; 166

```

agcgtggtcg cggccgaggt caagaacccc gccgcacct gccgtgacct caagatgtgc      60
cactctgact ggaagagtgg agagtactgg attgacccca accaaggctg caacctggat      120
gccatcaaag tcttctgcaa catggagact ggtgagacct gccgtgtacc cactcagccc      180
agtgtggccc agaagaactg gtacatcagc aagaacccca aggacaagag gcatgtctgg      240
ttcggcgaga gcatgaccga tggattccag ttcgagtatg gcggccaggg ctccgacct      300
gccgatgtgg acctgcccg gcggccgctc ga                                     332

```

&lt;210&gt; 167

&lt;211&gt; 332

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (332)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 167

```

tcgagcggtc gcccgggcag gtccacatcg gcagggtcgg agccctggcc gccatactcg      60
aactggaatc catcggnat gctctcgccg aaccagacat gcctcttgnc cttgggggttc      120
ttgctgatgt accagntctt ctggggccaca ctgggctgag tgggggtacac gcaggtctca      180
ccantctcca tggtgcanaa gactttgatg gcatccaggt tgcagccttg gttgggggtca      240
atccagtact ctccactctt ccagacagag tggcacatct tgagggtcacg gcaggtgcgg      300
gcgggggttct tgacctcggt cgcgaccacg ct                                     332

```

&lt;210&gt; 168

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapien.

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1) ... (276)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 168

```

tcgagcggcc gcccgggcag gtctctctca gagcggtagc tggtcttatt gccccggcag      60
cctccataga tnaagttatt gcangagttc ctctccacgt caaagtacca gcgtgggaag      120
gatgcacggc aaggccaggt gactgcgttg gcggtgcagt attcttcata gttgaacata      180
tcgctggagt ggacttcaga atcctgcctt ctgggagcac ttgggacaga ggaatccgct      240
gcattctgc tggtggacct cggccgcgac cacgct                                     276

```

&lt;210&gt; 169

&lt;211&gt; 276

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 169

```

agcgtggtcg cggccgaggt ccaccagcag gaatgcagcg gattcctctg tcccaagtgc      60
tcccagaagg caggattctg aagaccactc cagcgatatg ttcaactatg aagaatactg      120

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09636801.081000

caccgccaac	gcagtcactg	ggccttgccg	tgcatecttc	ccacgctggt	actttgacgt	180
ggagaggaac	tcttgaata	acttcatcta	tggaggctgc	cggggcaata	agaacagcta	240
ccgctctgag	gaggacctgc	ccgggcggcc	gctcga			276

<210> 170  
 <211> 332  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(332)  
 <223> n = A,T,C or G

tcgagcggcc	gcccgggcag	gtccacatcg	gcagggtcgg	agccctggcc	gccatactcg	60
aactggaatc	catcggtcat	gctctgcgcg	aaccagacat	gcctcttgtc	cttgggggttc	120
ttgctgatgt	accagttctt	ctggggccaca	ctgggctgag	tggggtacac	gcaggtctca	180
ccagtctcca	tgttgagaa	gactttgatg	gcatccaggt	tgcagccttg	gttgggggtca	240
atccagtact	ctccactctt	ccagccagaa	tggcacatct	tgaggtcacg	gcangtgccg	300
gcgggggttct	tgacctcgcc	cgcgaccacg	ct			332

<210> 171  
 <211> 333  
 <212> DNA  
 <213> Homo sapien

agcgtggtcg	cggccgaggt	caagaaaccc	cgcgcgcacc	tgccgtgacc	tcaagatgtg	60
ccactctggc	tggaagagtg	gagagtactg	gattgacccc	aaccaaggct	gcaacctgga	120
tgccatcaaa	gtcttctgca	acatggagac	tggtgagacc	tgcggtgacc	ccactcagcc	180
cagtgtggcc	cagaagaact	ggtacatcag	caagaacccc	aaggacaaga	ggcatgtctg	240
gctcggcgag	agcatgaccg	atggattcca	gttcgagtat	ggcggccagg	gctccgaccc	300
tgccgatgtg	gacctgcccg	ggcggccgct	cga			333

<210> 172  
 <211> 527  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(527)  
 <223> n = A,T,C or G

agcgtggtcg	cggccgaggt	cctgtcagag	tggcactggt	agaagntcca	ggaaccctga	60
actgtaaggg	ttcttcatca	gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt	120
cctgnaatgg	ggcccatgan	atggttgnc	gagagagagc	ttcttgtcct	acattcgggc	180
ggtatggtct	tggcctatgc	cttatggggg	tggcgttgn	gggcggtgng	gtccgcctaa	240
aaccatgttc	ctcaaagatc	atttgttgcc	caacactggg	ttgctgacca	naagtgccag	300

```
<210> 173
<211> 635
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(635)  
<223> n = A,T,C or G
```

```
<210> 174
<211> 572
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(572)
<223> n = A,T,C or G
```

<210> 175











accacccgca	actgtctgtc	tcatatcacg	aacagcaaag	cgacccaaag	gtggatagtc	240
tgagaagctc	tcaacacaca	tgggcttgcc	aggaaccata	tcaacaatgg	gcagcatcac	300
cagacttcaa	gaatttaagg	gccatcttcc	agctttttac	cagaacggcg	atcaatcttt	360
tccttcagct	cagcaaactt	gcatgcaatg	tgagccg			397

<210> 187  
 <211> 584  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(584)  
 <223> n = A,T,C or G

<400> 187						
tcgagcggcc	gcccgggcag	gtccagaggg	ctgtgctgaa	gtttgctgct	gccactggag	60
ccactccaat	tgctggcgcc	ttcactcctg	gaaccttcac	taaccagatc	caggcagcct	120
tccgggagcc	acggcttctt	gtggntactg	accccagggc	tgaccaccag	cctctcacgg	180
aggcatctta	tgtaaacctt	cctaccattg	cgctgtgtaa	cacagattct	cctctgcgct	240
atgtggacat	tgccatccca	tgcaacaaca	agggagctca	ctcagngggg	tttgatgtgg	300
tggtatgctg	ctcggaagt	tctgcgcatt	cgtggcacca	tttcccgtga	acacccatgg	360
gangncatgc	ctgatctgga	cttctacaga	gacctgaag	agattgaaa	agaagaacag	420
gctgnttgct	ganaaagcaa	gtgaccaagg	angaaatttc	anggggtgaa	nggactgctc	480
ccgctcctga	attcactgct	actcaacctg	angntgcaga	ctgggtcttga	aggngnacan	540
gggccctctg	ggcctattta	agcancttcg	gtcgcgaaca	cgnt		584

<210> 188  
 <211> 579  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(579)  
 <223> n = A,T,C or G

<400> 188						
agcgtgngtc	gcggccgagg	tgctgaatag	gcacagaggg	cacctgtaca	ccttcagacc	60
agtctgcaac	ctcaggctga	gtagcagtga	actcaggagc	gggagcagtc	cattcaccct	120
gaaattcctc	cttggncaact	gccttctcag	cagcagcctg	ctcttctttt	tcaatctctt	180
caggatctct	gtagaagtac	agatcaggca	tgacctccca	tgggtgttca	cgggaaatgg	240
tgccacgcat	gcgcagaact	tcccagagcca	gcatccacca	catcaaacc	actgagttag	300
ctcccttggt	gttgcatggg	atgggcaatg	tccacatagc	gcagaggaga	atctgtgtta	360
cacagcgcaa	tggtaggtag	gttaacataa	gatgcctccg	cgagaagctg	gtggtcagcc	420
ctgggggtcaa	gtaaccacaa	gaagccgtgg	ctcccgggaag	gctgcctgga	tctgggttagt	480
gaaggntcca	ggagtgaagc	ggccaacaat	tggagtggct	tcagtggcaa	gcagcaaact	540
tcagcacaag	ccctctggac	ctgcccggcg	gccgctcga			579

<210> 189  
 <211> 374

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(374)  
<223> n = A,T,C or G

<400> 189  
tcgagcggcc gcccgggcag gtccattttc tccctgaagg ncccacttct ctccaatctt 60  
gtagttcaca ccattgtcat ggcaccatct agatgaatca catctgaaat gaccacttcc 120  
aaagcctaag cactggcaca acagttttaa gcttgattca gacattcggt cccactcatc 180  
tccaacggca taatgggaaa ctgtgtaggg gtcaaagcac gagtcacccg taggttggtt 240  
caagccttcg ttgacagagt tgcccacggt aacaacctcn tccccgaacc ttatgcctct 300  
gctgggcttt cagngcctcc actatgatgn tgtagggggg cacctctggn gangacctcg 360  
gccgcgacca cgct 374

<210> 190  
<211> 373  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(373)  
<223> n = A,T,C or G

<400> 190  
agcgtgggtcg cggccgaggt cctcaccaga ggtgccacct acaacatcat agtggaggca 60  
ctgaaagacc agcagaggca taaggctcgg gaagaggttg ttaccgtggg caactctgtc 120  
aacgaaggct tgaaccaacc tacggatgac tctgtctttg accctacac agtttcccat 180  
tatgccgttg gagatgagtg ggaacgaatg tctyaatcag gctttaaact gttgtgccag 240  
tgcttanget ttggaagtgg gtcatttcag atgtgattca tctagatggt gccatgacaa 300  
tggngngaac tacaagattg gagagaagtg gnaccgncag ggagaaaatg gacctgcccg 360  
ggcgcccgct cga 373

<210> 191  
<211> 354  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(354)  
<223> n = A,T,C or G

<400> 191  
agcgtgggtcg cggccgaggt ccacatcggc agggctcggag ccttgggccgc catactcgaa 60  
ctggaatcca tcggtcatgc tctcgccgaa ccagacatgc ctcttgctct tggggttctt 120  
gctgatgtac cagttcttct gggccacact gggctgagtg gggtagacgc aggtctcacc 180  
agtctccatg ttgcagaaga ctttgatggc atccaggntg caaccttggt tgggggtcaat 240

00636801.031000

ccagtactct ccactcttcc agccagagtg gcacatcttg aggtcacggc aggtgcggnc 300  
 gggggntttt ggggtgccc tctggnettc ggntgtntct natctgctgg ctca 354

<210> 192  
 <211> 587  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(587)  
 <223> n = A,T,C or G

<400> 192  
 tcgagcggcc gcccgggcag gtctcgcggt cgcactgggt atgctgggtc tgttgggtccc 60  
 cccggccctc ctggacctcc tggccccctt ggctctccca gcgctgggtt cgacttcagc 120  
 ttcttcccc agccacctca agagaaggct cagcatgggt gccgtacta ccgggctgat 180  
 gatgccaatg tggttcgtga cgtgacctc gaggtggaca ccacctcaa gagcctgagc 240  
 cagcagatcg agaacatccg gagcccagag ggcagncgca agaaccctgc ccgcacctgc 300  
 cgtgacctca agatgtgcca ctctgactgg aagagtggag agtactggat tgaccccaac 360  
 caagctgcaa cctggatgcc atcaaagtct tctgcaacat ggagactggg gagacctgcg 420  
 tgtacccac tcagcccagt gtggcccaaa agaactggta catcagcaag aaccccaagg 480  
 acaagaagca tgtctgggtc ggcgagaaca tgaccgatgg attccagttc gagtatggcg 540  
 ggcagggctc cgacctgcc gatggggacc ttggccgcga acacgct 587

<210> 193  
 <211> 98  
 <212> DNA  
 <213> Homo sapien  
 <220>  
 <221> misc\_feature  
 <222> (1)...(98)  
 <223> n = A,T,C or G

<400> 193  
 agcgtggng cgcccgaggt ataaatatcc agnccatata ctccctccac acgctganag 60  
 atgaagctgt ncaaagatct cagggtggan aaaacct 98

<210> 194  
 <211> 240  
 <212> DNA  
 <213> Homo sapien

<400> 194  
 tcgagcggcc gcccgggcag gtcttccaga cttggactgt gtcacactgc caggcttcca 60  
 gggctccaac ttgcagacgg cctgttgtgg gacagtctct gtaatcgga aagcaacct 120  
 ggaagacctg ggggaaaaca ccatggtttt atccacctg agatctttga acaacttcat 180  
 ctctcagcgt gcggaggag gctctggact ggatatttct acctgggccg cgaccacgct 240

<210> 195

<211> 400  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(400)  
 <223> n = A,T,C or G

<400> 195  
 cgagcgggcg accgggagc tncagactcc aatccanana accatcaagc cagatgtcag 60  
 aagctacacc atcacagggt tacaaccagg cactgactac aaganctacc tgcacacctt 120  
 gaatgacaat gctcggagct cccctgtggt catcgacgcc tccactgccca ttgatgcacc 180  
 atccaacctg cgttttcttg ccaccacacc caattccttg ctggtatcat ggcagccgcc 240  
 acgtgccagg attaccggta catcatcnag tatganaagc ctgggcctcc tcccagagaa 300  
 gnggtccctc ggccccgccc tgntgtccca naggntacta ttactgngcc ngcaaccggc 360  
 aaccgatata nattttgnca ttggccttca acaataatta 400

<210> 196  
 <211> 494  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(494)  
 <223> n = A,T,C or G

<400> 196  
 agcgtgggttc ggggccgang tctgtcaga gtggcactgg tagaagtcc aggaaccctg 60  
 aactgtaagg gttcttcac agngccaaca ggatgacatg aaatgatgta ctcagaagtg 120  
 tcttggaatg gggcccatga gatggttgct tgagagagag cttcttgnc tgtctttttc 180  
 cttccaatca ggggctcgct cttctgatta ttcttcagg caatgacata aattgtatat 240  
 tcgggtccc gntccaggcc agtaatatga ncctctgtga caccagggcg gngccgaggg 300  
 accacttctc tgggaggaga cccaggcttc tcataactga tgatgtaacc ggtaatcctg 360  
 gcacgtggcg gctgccatga taccagcaag gaattggggt gtggtggcca ggaaacgcag 420  
 gttggatggn gcatcaatgg cagtggaggc cgtcgatgac cacaggggga gctccgacat 480  
 tgtcattcaa ggtg 494

<210> 197  
 <211> 118  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(118)  
 <223> n = A,T,C or G

<400> 197  
 agcgtggngc cgcccgaggt gcagcgcggg ctgtgccacc ttctgctctc tgcccaacga 60

000130-10895960



```
<210> 198
<211> 403
<212> DNA
<213> Homo sapien
```

<400> 198

```
<210> 199
<211> 167
<212> DNA
<213> Homo sapien
```

<400> 199

```
<210> 200
<211> 252
<212> DNA
<213> Homo sapien
```

<400> 200

tcgagcgggtt	cgcccgggca	ggtccaccac	acccaattcc	ttgctggtat	catggcagcc	60
gccacgtgcc	aggattaccg	gctacatcat	caagtatgag	aagcctgggt	ctcctcccag	120
agaagcggtc	cctcggcccc	gccctgggtg	cacagaggct	actattactg	gcctggaacc	180
gggaaccgaa	tatacaattt	atgtcattgn	cctgaagaat	aatcannaan	agcgancccc	240

tgattggaag ga

252

<210> 201  
 <211> 91  
 <212> DNA  
 <213> Homo sapien

<400> 201  
 agcgtggtcg cggccgaggt tgtacaagct tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt t 91

<210> 202  
 <211> 368  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(368)  
 <223> n = A,T,C or G

<400> 202  
 tcgagcggnc gcccgggcag gtctgccaac accaagattg gccccgcgcg catccacaca 60  
 gtccgtgtgc ggggaggtaa caagaaatac cgtgccctga ggttgacgt ggggaatttc 120  
 tcttggggct cagagtgttg tactcgtaaa acaaggatca tcgatgttg ctacaatgca 180  
 tctaataacg agctggttcg taccaagacc ctggtgaaga attgcatcgt gctcatcgac 240  
 agcacaccgt accgacagt gtacgagtc cactatgcgc tgccccctggg ccgcaagaag 300  
 ggagccaagc tgactcctga ggaagaagag attttaaaca aaaaacgac taanaaaaaa 360  
 aaaacaat 368

<210> 203  
 <211> 340  
 <212> DNA  
 <213> Homo sapien

<400> 203  
 agcgtggtcg cggccgaggt gaaatggtat tcagcttctt ggcacttctg gtcagcaacc 60  
 cagtgttggg caacaaatga tctttgagga acatggtttt aggcggacca caccgcccac 120  
 aacggccacc ccataaggc ataggccaag accatacccg ccgaatgtag gacaagaagc 180  
 tctctctcag acaaccatct catgggcccc attccaggac acttctgagt acatcatttc 240  
 atgtcatcct gttggcactg atgaagaacc cttacagttc agggttctct gaacttctac 300  
 cagtgccact ctgacaggac ctgccccggg gcccgctcga 340

<210> 204  
 <211> 341  
 <212> DNA  
 <213> Homo sapien

<400> 204  
 tcgagcggcc gcccgggcag gtctgtcag agtggcactg gtagaagttc caggaaccct 60  
 gaactgtaag ggttcttcat cagtgccaac aggatgacat gaaatgatgt actcagaagt 120

000T00" T089E960

gtcctggaat	ggggcccatg	agatggttgt	ctgagagaga	gcttcttgtc	ctacattcgg	180
cgggtatggg	cttgccctat	gccttatggg	ggtaggcggt	gtgggcgggtg	tggtccgcct	240
aaaaccatgt	tcctcaaaga	tcatttggtg	cccaacactg	ggttgctgac	cagaagtgcc	300
aggaagctga	ataccatttc	acctcggccg	cgaccacgct	a		341

&lt;210&gt; 205

&lt;211&gt; 770

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(770)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 205

tcgagcggcc	gcccgggcag	gtctcccttc	ttgcggccca	ggggcagcgc	atagtgggac	60
tcgtaccact	gtcggtagcg	tgtgctgtcg	atgagcacga	tgcaattctt	caccagggtc	120
ttggtagcaa	ccagctcggt	attagatgca	ttgtagacaa	catcgatgat	ccttgtttta	180
cgagtacaac	actctgagcc	ccaggagaaa	ttccccacgt	ccaacctcag	ggcacgggat	240
ttcttgttac	ctccccgcac	acggactgtg	tggatgcggc	ggggggccaag	ctgactcctg	300
aggaagaaga	gatttttaaac	aaaaaacgat	ctaaaaaat	tcagaagaaa	tatgatgaaa	360
ggaaaaagaa	tgccaaaatc	agcagtctcc	tggaggagca	gttccagcag	ggcaagcttc	420
ttgcgtgcat	cgcttcaagg	ccgggacagt	gtgaccgagc	agatggctat	gtgctagagg	480
gcaaagaagt	ggagttctat	cttaagaaaa	tcagggccca	gaatgggtng	tcttcaacta	540
atccaaaggg	gagtttcaga	ccagtgcatt	cagcaaaaac	attgatactg	ntggccaaat	600
trattgggtgc	agggcttgca	cantangan	ggctgggtct	tggggcttgg	attggnacaa	660
gctttggcag	ccttttcttt	ggttttgcga	aaaacctttt	gntgaagang	anacctnggg	720
cggacccctt	aaccgattcc	acnccngng	gcgttctang	gncccncttg		770

&lt;210&gt; 206

&lt;211&gt; 810

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(810)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 206

agcgtgggtcg	cggccgaggt	ctgctgcttc	agcgaagggt	ttctggcata	accaatgata	60
aggctgccaa	agactgttcc	aataccagca	ccagaaccag	ccactcctac	tgttgacgca	120
cctgcaccaa	taaatttggc	agcagtatca	atgtctctgc	tgattgcact	ggctctgaaac	180
tccttttggg	ttagctgaga	cacaccattc	tgggccctga	ttttcctaag	atagaactcc	240
aactctttgc	cctctagcac	atagccatct	gctcgggtcac	actgtcccgg	ccttgaagcg	300
atgcacgcaa	gaagcttgcc	ctgctggaac	tgtcctccca	ggagactgct	gattttggca	360
ttctttttcc	tttcatcata	tttcttctga	atttttttag	atcgtttttt	gtttaaaatc	420
tcttcttctc	caggagtcag	cttggccccc	gccgcattcca	cacagtccgt	gtgcggggag	480
gtaacaagaa	ataccgtgcc	ctgaggttgg	acgtggggaa	tttctcctgg	ggctcagagt	540
ggtgtactcg	taaaacaagg	atcatcgatg	gtgnctacaa	tgcattctaat	aacgagctgg	600

```
<210> 207
<211> 257
<212> DNA
<213> Homo sapien
```

```
<210> 208
<211> 257
<212> DNA
<213> Homo sapien
```

```
<210> 209
<211> 747
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1) ... (747)
<223> n = A, T, C or G
```

<400> 209						
tcgagcggcc	gcccgggcag	gtccaccaca	cccaattcct	tgctgggtatc	atggcagccg	60
ccacgtgcc	ggattaccgg	ctacatcatc	aagtatgaga	agcctgggtc	tcctcccaga	120
gaagtgggtc	ctcggccccg	ccctgggtgtc	acagaggcta	ctattactgg	cctggaaccg	180
ggaaccgaat	atacaattta	tgtcattgcc	ctgaagaata	atcagaagag	cgagcccctg	240
attggaagga	aaaagacaga	cgagcttccc	caactggtaa	cccttccaca	ccccaatctt	300
catggaccag	agatcttgga	tgttccttcc	acagttcaaa	agaccctttt	cgtcaccac	360
cctgggtatg	acactggaaa	tggtattcag	cttcctggca	cttctggtca	gcaaccctagt	420
gttgggcaac	aaatgatctt	tgaggaaat	ggnnttaggc	ggaccacacc	gccacaacg	480
gccaccccca	taaggcatag	gccaaacca	taccgcgga	atgtaggaca	agaagctntn	540
tntcanacac	catntnatgg	gccccattcc	aggacatttc	tgagtacatc	atztatgnca	600
tctgtggcac	ttgatgaaaa	cccttacagt	tcagggttct	qgaactttta	ccaqqcctnt	660

tacaggactn ggccggacnc cttaagccna ttncaccctg gggcggtteta nggtcccact 720  
cgnncaactgg ngaaaatggc tactgtg 747

<210> 210  
<211> 872  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(872)  
<223> n = A,T,C or G

<400> 210

agcgtgggtcg	cgcccgaggt	ccactagagg	tctgtgtgcc	attgccagg	cagagtctct	60
gcgttacaaa	ctcctaggag	ggcttgctgt	gcccagggcc	tgctatggtg	tgctgcggtt	120
catcatggag	agtggggcca	aaggetgcga	ggttgtgggtg	tctgngaaac	tcnaggaca	180
ngagggttaa	attccatgaa	gtttgtggat	ggcctgatga	tcacaaatcg	gagaccctgt	240
taactactac	cgtctnaccn	cctgctgtnc	neccccnttt	ctgctnaana	catngggntn	300
ntncttgnc	ntccttgggt	ngaanatnna	atngcctncc	cnttctanc	netactngnt	360
ccananttgg	cctttaaana	atcnccttg	ccttnnnac	tgttcanntn	tttnntcgta	420
aacctatna	nttnnattan	atmntnnnn	netaccccc	ctctcattn	ancnatang	480
ctnnnaante	cttnannect	ccnccccnt	nentctntac	tnantncttc	tnccccatta	540
cnnagctctt	tcntttaana	taatgnngcc	nngetctnca	tnctacnat	ntgnnnaatn	600
ccccncccc	cnancgnntt	tttgacctnn	naacctcctt	tcctcttccc	tncnmaaatt	660
ncnnanttec	ncnttcennc	nttccgntn	ntcccatnct	ttccannnet	tcantctanc	720
ncnctncaac	ttattttcct	ntcatccctt	nttctttaca	nnccccctnn	tctactcnnc	780
mnttncatta	natttgaaac	tnccacnnet	antnccctcn	ctctacnntt	ttattttncg	840
ntcnctctac	ntaatanttt	aatnanttnt	cn			872

<210> 211  
<211> 517  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(517)  
<223> n = A,T,C or G

<400> 211

tcgagcggcc	gcccgggcag	gtctgccaa	gagaccctgt	tatgctgtgg	ggactggctg	60
gggcatggca	ggcggtctg	gcttcccacc	cttctgttct	gagatggggg	tggtgggcag	120
tatctcatct	ttgggttcca	caatgctcac	gtggtcaggc	aggggcttct	tagggccaat	180
cttaccagtt	gggtcccagg	gcagcatgat	cttcaccttg	atgccagca	cacctgtct	240
gagcaacacg	tggcgcacaa	gcagtgtcaa	cgtagtaagt	taacagggtc	tcgctgtgg	300
atcatcaggc	catccacaaa	cttcatggat	ttagccctct	gtcctcggag	tttcccagac	360
accacaacct	cgcagccttt	ggccccactc	tccatgatga	accgcagcac	accatagcag	420
gccctccgca	caagcaagcc	ctcctaagaa	tttgtaacgc	ananactctg	ctggcaatgg	480
cacacaaacc	tctagtggac	ctcggnccgc	accacgc			517

<210> 212  
 <211> 695  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(695)  
 <223> n = A,T,C or G

<400> 212

tcgagcggcc	gcccgggcag	gtctgggtcca	ggatagcctg	cgagtcctcc	tactgctact	60
ccagacttga	catcatatga	atcatactgg	ggagaatagt	tctgaggacc	agtagggcat	120
gattcacaga	ttccaggggg	gccaggagaa	ccaggggacc	ctgggtgtcc	tggaatacca	180
gggtcaccat	ttctcccagg	aataccagga	gggcctggat	ctcccttggg	gccttgaggt	240
ccttgaccat	taggagggcg	agtaggagca	gttggaggct	gtgggcaaac	tgcaacaacat	300
tctccaaatg	gaatttctg	gttggggcag	tctaattctt	gatccgtcac	atattatgtc	360
atcgacagaga	acggatcctg	agtcacagac	acataatttg	catgggttctg	gcttccagac	420
atctctatcc	gncataggac	tgaccaagat	gggaacatcc	tccttcaaca	agcttinctgt	480
tgtgccaaaa	ataatagtgg	gatgaagcag	accgagaagt	anccagctcc	cctttttgca	540
caaagcntca	tcatgtctaa	atatcagaca	tgagacttct	ttgggcaaaa	aaggagaaaa	600
agaaaaagca	gttcaaagta	nccnccatca	agttgggtcc	ttgcccnttc	agcaccgagg	660
ccccgttata	aaacacctng	ggccggaccc	ccctt			695

<210> 213  
 <211> 804  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(804)  
 <223> n = A,T,C or G

<400> 213

agcgtgggtcg	cggccgaggt	gttttatgac	gggcccgggtg	ctgaagggca	gggaacaact	60
tgatgggtgct	actttgaact	gcttttcttt	tctccttttt	gcacaaagag	tctcatgtct	120
gatattttaga	catgatgagc	tttgtgcaaa	aggggagctg	gctacttctc	gctctgcttc	180
atcccactat	tattttggca	caacaggaag	ctggtgaagg	aggatgttcc	catcttggtc	240
agtcctatgc	ggatagagat	gtctggaagc	cagaaccatg	ccaaatatgt	gtctgtgact	300
caggatccgt	tctctgcgat	gacataatat	gtgacgatca	agaattagac	tgccccaacc	360
cagaaattcc	atttgagaa	tggtgtgcag	tttgcccaca	gctccaact	gctcctactc	420
gccctcctaa	tggtcaagga	cctcaaggcc	ccaagggaga	tccaggccct	cctggtattc	480
ctgggagaaa	tggtgaccct	ggtattccag	gacaaccagg	gtccccctgg	tctcctggcc	540
cccctggaat	cngngaatc	atgccctact	ggtcctcaaa	ctattctccc	anatgattca	600
tatgatgtca	agtctgggat	agcnagtang	ganggactcg	caggctattc	tggaaccanac	660
ctgccggggg	ggcggttcgaa	agcccgaatc	tgcananntn	cnttcacact	ggcgggccgtc	720
gagctgcttt	aaaagggccca	ttcncctttt	agnngggggg	antacaatta	ctnggcggcg	780
ttttanancg	cgngnctggg	aaat				804

<210> 214

<211> 594  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (594)  
 <223> n = A,T,C or G

<400> 214

agcgtgggtcg	eggccgaggt	ccacatcggc	agggtcggag	ccctggccgc	catactcgaa	60
ctggaatcca	tcggtcatgc	tctcgccgaa	ccagacatgc	ctcttgctct	tggggttctt	120
gctgatgtac	cagttcttct	gggccacact	gggctgagtg	gggtacacgc	aggtctcacc	180
agtctccatg	ttgcagaaga	ctttgatggc	atccaggttg	cagccttggt	tgggggtcaat	240
ccagtactct	ccactcttcc	agtcagagtg	gcacatcttg	aggtcacggc	aggtgcgggc	300
gggggttcttg	eggctgcctt	ctgggctccg	gatgttctcg	atctgctggc	tcaggctctt	360
gaggggtgggt	tccacctega	ggtcacggtc	acgaaccaca	ttggcatcat	cagcccggta	420
gtagcggcca	ccatcgtag	ccttctcttg	angtggctgg	ggcaggaact	gaagtcgaaa	480
ccagcgtctg	gaggaccagg	gggaccaana	ggtccaggaa	gggccccggg	gggaccaaca	540
ggaccagcat	caccaagtgc	gacccgcgag	aacctgcccc	gccgnccgct	cgaa	594

<210> 215  
 <211> 590  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (590)  
 <223> n = A,T,C or G

<400> 215

tcgagcgnnc	gccccgggcag	gtctcgcggt	egcactgggtg	atgctgggtcc	tggtgggtccc	60
cccggccctc	ctggacctcc	tggtccccct	ggtcctccca	gcgctgggtt	cgacttcagc	120
ttctgcccc	agccacctca	agagaaggt	cacgatgggtg	gccgctacta	ccgggctgat	180
gatgccaatg	tggttcgtga	ccgtgacctc	gaggtggaca	ccacctcaa	gagcctgagc	240
cagcagatcg	agaacatccg	gagcccagag	ggcagccgca	agaacccccg	ccgcacctgc	300
cgtgacctca	agatgtgcca	ctctgactgg	aagagtggag	agtactggat	tgaccccaac	360
caaggctgca	acctgggatgc	catcaaagtc	ttctgcaaca	tgagactggg	tgagacctgc	420
gtgtacccca	ctcagcccag	tgtggcccag	aagaactggg	acatcagcaa	gaaccccaag	480
gacaagaggc	atgtctgtgt	cggcgagagc	atgaccgatg	gattccagtt	cgagtatggc	540
ggccagggct	cccaccttgc	cgatgtggac	ctccggccgc	gaccacctt		590

<210> 216  
 <211> 801  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (801)

<223> n = A,T,C or G

<400> 216

tngagcggcc	gcccgggcag	gntgnnaacg	ctggctcctgc	tggctcctcct	ggcaaggctg	60
gtgaagatgg	tcacctgga	aaacccggac	gaacctggtga	gagaggagtt	gttggaccac	120
aggggtgctcg	tggtttccct	ggaactcctg	gaacttccctg	cttcaaaggc	attaggggac	180
acaatggtct	ggatggattg	aagggacagc	cgggtgctcc	tgggtggaag	ggtgaacctg	240
gtgcccctgg	tgaaaatgga	actccaggtc	aaacaggagc	ccgtgggctt	cctggtgaga	300
gaggaccgtg	ttgggtgccc	tgcccacnac	ctcggccgcg	accacgctaa	gcccgaattt	360
ccagcacact	ggngggcgtt	actantggat	ccgagctcgg	taccaagctt	ggcgtaatca	420
tggtcatagc	tgtttccctgn	gtgaaattgt	tatccgctca	caatttcaca	cancatacga	480
agccggaaaag	cataaagtgt	aaagccttgg	ggtgctaata	agtgaagctaa	ctcncattaa	540
attgcgttgc	gctcactgcc	cgtttttcca	nnngggaaaac	cntggcntng	cengcttgc	600
ttaantgaaa	tccgcenacc	ccgggggaaa	agncgggttg	cngtattggg	gcnccttttc	660
cctttcctcg	gnttacttga	nttantgggc	tttggnccnt	tccgggttng	gcgancnggt	720
tcaacntcac	nccaaaggng	gnaanacggt	tttccanaa	tccgggggnt	ancccaangn	780
aaaacatnng	ncnaangggc	t				801

<210> 217

<211> 349

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)... (349)

<223> n = A,T,C or G

<400> 217

agcgtgggtn	gcgcccgagg	tctggggccag	gggcaccaac	acgtcctctc	tcaccaggaa	60
gcccacgggc	tcctggttga	cctggagttc	cattttcacc	aggggcacca	ggttcaccct	120
tcacaccagg	agcaccgggc	tgctccctca	atccatncag	accattgtgn	cccctaagtc	180
ctttgaagcc	aggaagtcca	ggagttccag	ggaaaccacc	gagcacctcg	tgggtccaaca	240
actcctctct	caccaggctg	tccgggtttt	ccagtggtgac	catcttcacc	agccttgcca	300
ggaggaccag	caggaccagc	gttaccaacc	tgcccggggc	gcccgtcga		349

<210> 218

<211> 372

<212> DNA

<213> Homo sapien

<400> 218

tcgagcggcc	gcccgggcag	gtccattttc	tccttgacgg	tcccacttct	ctccaatctt	60
gtagttcaca	ccattgtcat	ggcaccatct	agatgaatca	catctgaaat	gaccacttcc	120
aaagcctaag	cactggcaca	acagtttaaa	gcctgattca	gacattcggt	cccactcatc	180
tccaacggca	taatgggaaa	ctgtgtaggg	gtcaaagcac	gagtcatccg	taggttggtt	240
caagccttcg	ttgacagagt	tgcccacggt	aacaacctct	tcccgaacct	tatgcctctg	300
ctgggtctttc	agtgcctcca	ctatgatgtt	gtaggtggca	cctctggtga	ggacctcggc	360
cgcgaccacg	ct					372

<210> 219



<211> 374  
 <212> DNA  
 <213> Homo sapien

<400> 219  
 agcgtggtcg cgcccgaggt cctcaccaga ggtgccacct acaacatcat agtggaggca 60  
 ctgaaagacc agcagaggca taaggttcgg gaagaggttg ttaccgtggg caactctgtc 120  
 aacgaaggct tgaaccaacc tacggatgac tcgtgctttg acccctacac agtttcccat 180  
 tatgccgttg gagatgagtg ggaacgaatg tctgaatcag gctttaaact gttgtgccag 240  
 tgcttaggct ttggaagtgg tcatttcaag atgtgattca tctagatggg gccatgacaa 300  
 tgggtgtaac tacaagattg gagagaagtg ggaccgtcag ggagaaaatg gacctgcccg 360  
 ggccggccgc tcga 374

<210> 220  
 <211> 828  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (828)  
 <223> n = A,T,C or G

<400> 220  
 tcgagcgnnc gcccgggcag gtccagtagt gccttcggga ctgggttcac cccaggtct 60  
 gggcagttg tcacagcgcc agccccgtg gcctccaaag catgtgcagg agcaaattggc 120  
 accgagatat tccttctgcc actgttctcc tacgtggtat gtcttcccat catcgtaaca 180  
 cgttgcctca tgagggtcac acttgaattc tccttttccg ttcccaagac atgtgcagct 240  
 catttggtg gctctatagt ttggggaaaag tttgttgaaa ctgtgccact gacctttact 300  
 tcctccttct ctactggagc tttcgtacct tccacttctg ctgttggtta aatggtggat 360  
 cttctatcaa tttcattgac agtaccact tctcccaaac atccaggga atagtgattt 420  
 cagagcgatt aggagaacca aattatgggg cagaaataag gggcttttcc acagggtttc 480  
 ctttgaggga agatttcagt ggtgacttta aaagaatact caacagtgtc ttcattccca 540  
 tagcaaaaga agaaacngta aatgatggaa ngcttctgga gatgccnnc ttaagggac 600  
 ncccagaact tcaccatcta caggacctac ttcagtttac annaagnac atantctgac 660  
 tcanaaagga cccaagtgc nccatggnca gcacttttag cctttccctt ggggaaaann 720  
 ttacnttctt aaancctngg ccnngacccc cttaagncca aattntggaa aanttcctn 780  
 cnctggggg gcngttcnac atgcntttna agggcccaat tncctt 828

<210> 221  
 <211> 476  
 <212> DNA  
 <213> Homo sapien

<400> 221  
 tcgagcggcc gcccgggcag gtgtcggagt ccagcacggg aggcgtggtc ttgtagttgt 60  
 tctccggctg cccattgtc tccactcca cggcgatgtc gctgggatag aagcctttga 120  
 ccaggcaggt caggctgacc tggttcttgg tcatctctc ccgggatggg ggcagggtgt 180  
 acacctgtgg ttctcggggc tgcccttttg ctttgagat ggttttctcg atgggggtg 240  
 ggagggcttt gttggagacc ttgcacttgt actccttgcc attcagccag tctggtgca 300  
 ggacgggtgag gacgctgacc acacggtacg tgctgttgta ctgctcctcc cgcggctttg 360



<220>  
 <221> misc\_feature  
 <222> (1)...(766)  
 <223> n = A,T,C or G

<400> 225

agcgtgggtcg	cggccgaggt	cctgtcagag	tggcactggt	agaagttcca	ggaaccctga	60
actgtaaggg	ttcttcatca	gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt	120
cctggaatgg	ggcccatgag	atggttgtct	gagagagagc	ttcttgtcct	acattcggcg	180
ggtatggtct	tggcctatgc	cttatggggg	tggccgttgt	gggcggtgtg	gtccgcctaa	240
aaccatgttc	ctcaaagatc	atgtgttgc	caacactggg	ttgctgacca	gaagtgccag	300
gaagctgaat	accattttcca	gtgtcatacc	caggggtggg	gacgaaaggg	gtcttttgaa	360
ctgtggaagg	aacatccaag	atctctggtc	catgaagatt	ggggtgtgga	agggttacca	420
gttggggaag	ctcgtctgtc	tttttccttc	caatcagggg	ctcgtctctc	tgattattct	480
tcagggaat	gacataaatt	gtatatctcg	tcccggttcc	aggccagtaa	tagtagcctc	540
tgtgacacca	gggcggggcc	gagggaccct	tctnttgaa	gagaccagct	tctcatactt	600
gatgatgagn	ccggtaatcc	tggcactggg	nggttgcatt	atnccaccaa	ggaaatnggn	660
gggggnggac	ctgcccggcg	gccgttcnaa	agcccaattc	cacacacttg	gnggccgtac	720
tatggatccc	actcngtcca	acttgngnga	atatggcata	actttt		766

<210> 226  
 <211> 364  
 <212> DNA  
 <213> Homo sapien

<400> 226

tcgagcggcc	gcccgggcag	gtccttgacc	ttttcagcaa	gtgggaaggt	gtaatccgtc	60
tccacagaca	aggccaggac	tcgtttgtac	ccgttgatga	tagaatgggg	tactgatgca	120
acagttgggt	agccaatctg	cagacagaca	ctggcaacat	tgccgacacc	ctccaggaag	180
cgagaatgca	gagtttcttc	tgtgatatca	agcacttcag	ggttgtagat	gctgccattg	240
tcgaacacct	gctggatgac	cagcccaaag	gagaaggggg	agatgttgag	catgttcagc	300
agcgtggctt	cgctggctcc	cactttgtct	ccagtcttga	tcagacctcg	gccgcgacca	360
cgct						364

<210> 227  
 <211> 275  
 <212> DNA  
 <213> Homo sapien

<400> 227

agcgtgggtcg	cggccgaggt	ctgtcctaca	gtcctcagga	ctctactccc	tcagcagcgt	60
ggtgaccgtg	cctccagca	acttcggcac	ccagacctac	acctgcaacg	tagatcacia	120
gcccagcaac	accaaggtgg	acaagagagt	tgagcccaaa	tcttgtgaca	aaactcacac	180
atgccaccg	tgcccgacac	ctgaactcct	ggggggaccg	tcagtcttcc	tcttcccccg	240
catccccctt	ccaaacctgc	ccggggcgcc	gctcg			275

<210> 228  
 <211> 275  
 <212> DNA  
 <213> Homo sapien

09636801-051000







ggtgtgaact acaagattgg agagaagtgg gaccgtcagg gagaaaatgg acctgcccg 360  
gcggccgctc ga 372

<210> 238  
<211> 372  
<212> DNA  
<213> Homo sapien

<400> 238  
tcgagcggcc gcccgggcag gtccattttc tccctgacgg tccacttct ctccaatctt 60  
gtagttcaca ccattgtcat ggcaccatct agatgaatca catctgaaat gaccacttcc 120  
aaagcctaag cactggcaca acagtttaaa gcttgattca gacattcgtt cccactcatc 180  
tccaacggca taatgggaaa ctgtgtaggg gtcaaagcac gagtcacccg taggttggtt 240  
caagccttcg ttgacagagt tgcccacggg aacaacctct tcccgaacct tatgcctctg 300  
ctgggtcttc agtgccctca ctatgatgtt gtaggtggca cctctggtga ggacctcggc 360  
cgcgaccacg ct 372

<210> 239  
<211> 720  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1) ... (720)  
<223> n = A,T,C or G

<400> 239  
tcgagcggcc gcccgggcag gtccaccata agtccctgata caaccacgga tgagctgtca 60  
ggagcaagggt tgattttctt catttggtccg gtcttctcct tgggggtcac ccgcactega 120  
tatccagtga gctgaacatt ggggtggtgtc cactgggcgc tcaggcttgt ggggtgtgacc 180  
tgagtgaact tcaggtcagt tgggtgcagga atagtgggta ctgcagtctg aaccagaggc 240  
tgactctctc cgcttggtatt ctgagcatag acactaacca catactccac tgtgggctgc 300  
aagccttcaa tagtcatttc tgtttgatct ggacctgcag ttttagtttt tgttggtcct 360  
ggtccatttt tgggagtggg gggtactctg taaccagtaa caggggaact tgaaggcagc 420  
cacttgacac taatgctgtt gtccctgaaca tcggtcactt gcactctggga tggtttgnc 480  
atttctgttc ggtaattaat ggaaattggc ttgctgcttg cggggctgtc tccacggcca 540  
gtgacagcat acacagngat ggnatnatca actccaagtt taaggccctg atggtaactt 600  
taaacttgct cccagccagn gaacttccgg acagggattt tcttctgggt ttccgaaagn 660  
gancctggaa tnntctcctt ggancagaag gancntccaa aacttggggc ggaaccctt 720

<210> 240  
<211> 691  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1) ... (691)  
<223> n = A,T,C or G

09535301.081000

&lt;400&gt; 240

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agcgtggtcg cggccgaggt cctgtcagag tggcactggt agaagttcca ggaaccctga      60
actgtaaggg ttcttcatca gtgccaacag gatgacatga aatgatgtac tcagaagtgt      120
cctggaatgg ggcccatgag atggttgtct gagagagagc ttcttgtcct acattcggcg      180
ggtatggtct tggcctatgc cttatggggg tggccgttgt gggcggtgtg gtccgcctaa      240
aaccatgttc ctcaaagatc atttgttgcc caacactggg ttgctgacca gaagtgccag      300
gaagctgaat accatttcca gtgtcatacc cagggtgggt gacgaaaggg gtcttttgaa      360
ctgtggaagg aacatccaag atctctggtc catgaagatt ggggtgtgga agggttacca      420
gttggggaag ctgctctgtc ttttctcttc caatcagggg ctgctcttc tgattattct      480
tcagggaat gacataaatt gtatatcgg ttcccgggtc caggccagta atagtagcct      540
cttgtgacac caggcggggc ccanggacca cttctctggg angagacca gcttctcata      600
cttgatgatg taaccgggta atcctgcacg tggcggtgn catgatacca ncaaggaatt      660
gggtgngngg gacctgccg gcggccctcn a      691

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&lt;210&gt; 241

&lt;211&gt; 808

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(808)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 241

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agcgtggtcg cggccgaggt ctgggatgct cctgctgtca cagtgaagata ttacaggatc      60
acttacggag aaacaggagg aaatagccct gtccaggagt tcaactgtgc tgggagcaag      120
tctacagcta ccacagcgg ccttaaacct ggagttgatt ataccatcac tgtgtatgct      180
gtcactggcc gtggagacag ccccgcaagc agcaagccaa tttccattaa ttaccgaaca      240
gaaattgaca aaccatcca gatgcaagt accgatgttc aggacaacag cattagtgtc      300
aagtggctgc cttcaagttc ccctgttact ggttacagag taaccaccac tcccaaaaat      360
ggaccaggac caacaaaaac taaaactgca ggtccagatc aaacagaaat gactattgaa      420
ggcttgacgc ccacagtgga gtatgtggtt agtgtctatg ctcagaatcc aagcggagag      480
agtcagcctc tggttcagac tgcagtaacc actattcctg caccaactga cctgaagttc      540
actcaggtca caccacaag cctgagccgc cagtggacac caccaatgt tcaactactg      600
gatatcgagt gcgggtgacc cccaaggaga agaccggac ccataaaaga aatcaacctt      660
gtcctgaca gctcatccgn ggggtgatca ggacttatgg gggactgcc cggcnggccg      720
ntcgaaancg aattntgaaa tttccttcnc actgggnggc gnttcgagct tncctntana      780
nggcccaatt cncctntagn gggtcgtn      808

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&lt;210&gt; 242

&lt;211&gt; 26

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(26)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 242

000T30" T089E960





cgctcga

307

<210> 246  
 <211> 372  
 <212> DNA  
 <213> Homo sapien

<400> 246  
 tcgagcggcc gcccgggcag gtccacacca gaggtgccac ctacaacatc atagtggagg 60  
 cactgaaaga ccagcagagg cataaggttc gggaagaggt tgttaccgtg ggcaactctg 120  
 tcaacgaagg cttgaaccaa cctacggatg actcgtgctt tgaccctac acagtttccc 180  
 attatgccgt tggagatgag tgggaacgaa tgtctgaate aggcctttaa ctggttggtcc 240  
 agtgcttagg ctttggaagt ggtcatttca gatgtgatcc atctagatgg tgccatgaca 300  
 atggtgtgaa ctacaagatt ggagagaagt gggaccgtca gggagaaaat ggacctcggc 360  
 cgcgaccacg ct 372

<210> 247  
 <211> 348  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(348)  
 <223> n = A,T,C or G

<400> 247  
 tcgagcggcc gcccgggcag gtaccggggt ggtcagcgag gagccattca cactgaactt 60  
 caccatcaac aacctgcggt atgaggagaa catgcagcac cctgggtcca ggaagttcaa 120  
 caccacggag agggctcctc agggcctgct caggctccctg ttcaagagca ccagtgttgg 180  
 ccctctgtac tctggctgca gactgacttt gctcagacct gagaaacatg gggcagccac 240  
 tggagtggac gccatctgca ccctccgctt tgatcccact ggtnctggac tggacanana 300  
 gcggctatac ttgggagctg anccnaacct ttggcgngna cncnctt 348

<210> 248  
 <211> 304  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(304)  
 <223> n = A,T,C or G

<400> 248  
 gaggactggc tcagctccca gtatagccgc tctctgtcca gtccaggacc agtgggatca 60  
 aggcggaggg tgcagatggc gtccactcca gtggctgccc catgtttctc aagtctgagc 120  
 aaagncagtc tgcagccaga gtacagaggg ccaacactgg tgctcttgaa cagggacctg 180  
 agcaggccct gaaggacct ctccgtgggt ttgaacttcc tggagccagg gtgctgcatg 240  
 ttctcctcat accgcagggt gttgatgggt aagttcagtg tgaatggctc ctgctgacc 300  
 accc 304

000130" T089E960



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gaccatggtg ctactgggtc cttctgagtc agatatgtga ctgatngaa ctgaagtagg 120
tactgtagat ggtgaagtct ggggtgtccct aaatgctgca tctccagagc cttccatcat 180
taccgtttct tcttttgcta tgggatgaga cactgttgag tattctctaa agtcaccact 240
gaaatcttcc tccaaaggaa aacctgtgga aaagccctt atttctgccc cataatttgg 300
ttctccta at cncctctgaaa tcaactatttc cctggaangt ttgggaaaaa nngggcnacc 360
tgncantgga aantggatan aaagatccca ccattttacc caacnagcag aaagtgggaa 420
nggtaccgaa aagctccaag taanaaaaag gaggggaagta aaggtcaagt gggcaccagt 480
ttcaaacaaa actttcccca aactatanaa ccca 514

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<210> 252

<211> 501

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 252

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aagcggccgc cggggcaggc ncagnagtgc cttcgggact gggntcacc cccaggtctgc 60
ggcagttgtc acagcgccag ccccgctggc ctccaaagca tgtgcaggag caaatggcac 120
cgagatatc cttctgccac tgttctccta cgtggtatgt cttcccatca tcgtaacacg 180
ttgcctcatg agggtcacac ttgaattctc cttttccgtt cccaagacat gtgcagctca 240
tttggctggc tctatagttt ggggaaagt ttgtgaaact gtgccactga cctttacttc 300
ctccttctct actggagctt tccgtacctt ccacttctgc tgntggnaaa aaggngggaa 360
cnccttatca atttcattgg acagtanccc nctttctncc caaaacatnc aagggaat 420
attgattncn agagcggatt aaggaacaac cchaattatg ggggccagaa ataaaggggg 480
cttttccaca ggtnttttcc t 501

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<210> 253

<211> 226

<212> DNA

<213> Homo sapien

<400> 253

```

tcgagcggcc gccggggcag gtctgcaggc tattgtaagt gttctgagca catatgagat 60
aacctgggcc aagctatgat gttcgatacg ttaggtgtat taaatgcact tttgactgcc 120
atctcagtgg atgacagcct tctcactgac agcagagatc ttctcactg tgccagtggg 180
caggagaaag agcatgctgc gactggacct cggccgcgac cacgct 226

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<210> 254

<211> 226

<212> DNA

<213> Homo sapien

<400> 254

```

agcgtggtcg cggccgaggt ccagtcgcag catgctcttt ctctgccc cactggcacagt 60
gaggaagatc tctgctgtca gtgagaaggc tgtcatccac tgagatggca gtcaaaagt 120
catttaatac acctaacgta tcgaacatca tagcttggcc caggttatct catatgtgct 180
cagaacactt acaatagcct gcagacctgc cggggcggcc gctcga 226

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<210> 255  
 <211> 427  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(427)  
 <223> n = A,T,C or G

<400> 255  
 cgagcggcgg cccgggcagg tccagactcc aatccagaga accaccaagc cagatgtcag 60  
 aagctacacc atcacagggt tacaaccagg cactgactac aagatctacc tgtacacctt 120  
 gaatgacaat gctcggagct cccctgtggt catcgacgcc tccactgcc a ttgatgcacc 180  
 atccaacctg cgttttcttg ccaccacacc caattccttg ctggtatcat ggcagccgcc 240  
 acgtgccagg attaccggct acatcatcaa gtatgagaag cctgggtctc ctcccagaga 300  
 agtgggtccct cggccccgcc ctggtgncac agaagctact attactggcc tgggaaccggg 360  
 aaccgaatat acaatttatg tcattgcctt gaagaataat canaagagcg agccctgat 420  
 tggaagg 427

<210> 256  
 <211> 535  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(535)  
 <223> n = A,T,C or G

<400> 256  
 agcgtgggtcg cggccgaggt cctgtcagag tggcactggt agaagttcca ggaaccctga 60  
 actgtaaggg ttcttcatca gtgccaaacag gatgacatga aatgatgtac tcagaagtgt 120  
 cctggaatgg ggcccatgag atggttgtct gagagagagc ttcttgtcct gtctttttcc 180  
 ttccaatcag gggctcgtc ttctgattat tcttcagggc aatgacataa attgtatatt 240  
 cggttccccg ttccaggcca gtaatagtag cctctgtgac accagggcgg ggccgagggg 300  
 ccacttctct gggaggagac ccaggcttct catacttgat gatgtanccg gtaatcctgg 360  
 caccgtggcg gctgccatga taccagcaag gaattgggtg tgggtggcaa gaaacgcagg 420  
 ttggatggtg catcaatggc agtggaggcg tcgatnacca caggggagct ccgancattg 480  
 tcattcaagg tggacaggta gaatcttgta atcaggtgcc tggtttgtaa acctg 535

<210> 257  
 <211> 544  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(544)  
 <223> n = A,T,C or G

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<220>  
 <221> misc\_feature  
 <222> (1)...(584)  
 <223> n = A,T,C or G

<400> 268  
 agcgtggtcg cggccgaggt ctgtagcttc tgtgggactt ccaactgctca ggcgtcaggc 60  
 tcaggtagct gctggccgcg tacttggtgt tgctttgntt ggaggggtgtg gtggtctcca 120  
 ctcccgctt gacggggctg ctatctgect tccaggccac tgtcacggct cccgggtaga 180  
 agtcacttat gagacacacc agtgtggcct tgttggcttg aagctcctca gaggagggtg 240  
 ggaacagagt gaccgagggg gcagccttgg gctgacctag gacggtcagc ttggtccctc 300  
 cgccgaacac ccaattgttg ttgectgcat atgagctgca gtaataatca gcctcatcct 360  
 cagcctggag ccagagacn gtcaaggag gcccgtgttt gccaaagactt ggaagccaga 420  
 naagcgatca gggacccttg agggccgctt tacngacctc aaaaaatcat gaatttgggg 480  
 ggcctttgcc tggngtttg ttggnacca gnaaaacaaa atttcataaa gcaccaacgt 540  
 cactgctggt ttccagtgc ngaanatggt gaactgaant gtcc 584

<210> 269  
 <211> 368  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(368)  
 <223> n = A,T,C or G

<400> 269  
 agcgtggtcg cggccgaggt ccagcatcag gagccccgcc ttgccggctc tgggtcatcgc 60  
 ctttcttttt gtggcctgaa acgatgtcat caattcgcag tagcagaact gccgtctcca 120  
 ctgctgtctt ataagtctgc agcttcacag ccaatggctc ccatatgcc agttccttca 180  
 tgtccaccaa agtaccgcgc tcaccattta cccccaggt ctcacagttc tcttgggtgt 240  
 gcttgggccg aaggggaggta agtanacgga tgggtgctggt cccacagttc tggatcaggg 300  
 tacgaggaat gacctctagg gcctgggcna caagccctgt atggacctgc ccgggcgggc 360  
 ccgctcga 368

<210> 270  
 <211> 368  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(368)  
 <223> n = A,T,C or G

<400> 270  
 tcgagcggcc gccggggcag gtccatacag ggctgttgcc caggccctag aggn cattcc 60  
 ttgtaccctg atccagaact gtgggaccag caccatcct ctacttacct cccttcgggc 120  
 caagcacacc caggagaact gtgagacctg ggggtgtaa gngagacgg gtactttgggt 180

ggacatgaag	gaactgggca	tatgggagcc	attggctgng	aagctgcana	cttataagac	240
agcagtggag	acggcagttc	tgctactgcg	aattgatgac	atcgtttcag	gccacaaaaa	300
gaaaggcgat	gaccanagcc	ggcaaggcgg	ggcttcctga	tgctggacct	cggccgccga	360
ccacgctt						368

<210> 271  
 <211> 424  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(424)  
 <223> n = A,T,C or G

<400> 271						
agcgtggctg	cggccgaggt	ccactagagg	tctgtgtgcc	attgccaggg	cagagtctct	60
gcgttacaaa	ctcctaggag	ggcttgctgt	gctggaggcc	tgctatgggtg	tgctgcgggtt	120
catcatggag	agtggggcca	aaggctgcga	ggttgtgggtg	tctgggaaac	tccgaggaca	180
gagggctaaa	tccatgaagt	ttgtggatgg	cctgatgatc	cacagcggag	accctgttaa	240
ctactacgtt	gacactgctg	tgcgccacgt	gttgctcana	caggggtgtgc	tgggcatcaa	300
ggtgaagatc	atgctgcctt	gggacccanc	tggcaaaaat	ggcccttaaa	aacccttgc	360
cntgaccacg	tgaaccattt	gtgngaacc	caagatgaan	atacttgccc	accaccccc	420
attc						424

<210> 272  
 <211> 541  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(541)  
 <223> n = A,T,C or G

<400> 272						
tcgagcggcc	gcccgggcag	gtctgccaa	gagaccctgt	tatgctgtgg	ggactggctg	60
gggcatggca	ggcggtctg	gcttcccacc	cttctgttct	gagatggggg	tggtgggcag	120
tatctcatct	ttgggttcca	caatgtcac	gtggtcaggc	aggggcttct	tagggccaat	180
cttaccagtt	gggtcccagg	gcagcatgat	cttcaccttg	atgccagca	cacctgtct	240
gagcaacacg	tggcgcacag	cagtgtcaac	gtagtagtta	acaggggtctc	cgctgtggat	300
catcaggcca	tccacaaact	tcatggattt	agccctctgt	cctcggagtt	tcccaaaaca	360
ccacaacctc	gccagccttt	gggccccact	tcttcatgaa	tgaaaccgca	gcacaccatt	420
ancaaggccc	ttccgcacag	gnaagccctt	cctaaggagt	tttgtaaacy	caaaaaactc	480
ttgcctgggg	caaatgggca	cacagacctn	tantnggacc	ttggnccgcy	aaccaccgct	540
t						541

<210> 273  
 <211> 579  
 <212> DNA  
 <213> Homo sapien

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<220>  
 <221> misc\_feature  
 <222> (1)...(579)  
 <223> n = A,T,C or G

<400> 273

agcgtggtcg	cgcccgaggt	ctggccctcc	tggcaaggct	ggtgaagatg	gtcacccctgg	60
aaaaccgga	cgacctggtg	agagaggagt	tgttggaacca	caggggtgctc	gtggtttccc	120
tggaaactcct	ggacttcctg	gcttcaaagg	cattagggga	cacaatggtc	tggatggatt	180
gaagggacag	cccgggtgctc	ctgggtgtgaa	gggtgaacct	ggngcccctg	gtgaaaatgg	240
aactccaggt	caaacaggag	cccnggggct	tcctggngag	agaggacgtg	ttgggtgcccc	300
tggcccanac	ctgcccgggc	ggccgctcna	aaagccgaaa	tccagnacac	tggcggccgn	360
tactantgga	atccgaactt	cggtaccaa	gcttggccgt	aatcatggcc	atagcttgtt	420
ccctggggng	gaaattggta	ttccgctncc	aattccacac	aacataccga	acccggaaag	480
cattaaagtg	taaaagccct	gggggggctt	aatgangtg	agcntaactc	ncatttaatt	540
ggcgttgccg	ttcactgccc	cgcttttcca	gtccgggna			579

<210> 274  
 <211> 330  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(330)  
 <223> n = A,T,C or G

<400> 274

tcgagcggcc	gcccgggcag	gtctggggcca	ggggcaccaa	cacgtcctct	ctcaccagga	60
agcccacggg	ctcctgtttg	acctggagtt	ccattttcac	caggggcacc	aggttcaccc	120
ttcacaccag	gagcaccggg	ctgtcccttc	aatccatcca	gaccattgtg	nccctaata	180
cttttgaagc	caggaagtcc	aggagtcca	gggaaaccac	gagcacctg	tggccaaca	240
actcctctct	caccaggtcg	tcggggtttt	ccagggtgac	catcttcacc	agccttgcca	300
ggagggccag	acctcggccg	cgaccacgct				330

<210> 275  
 <211> 97  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(97)  
 <223> n = A,T,C or G

<400> 275

ancgtggtcg	cgcccgaggt	cctcaccaga	ggtgncacct	acaacatcat	agtggaggga	60
ctgaaagacc	ancagaggga	taagggtcgg	gaagagg			97

<210> 276



cctgccccca tcccgggagg aaaagancaa naaccnggtt cagcettaac ttgcttggtc 360  
 naangctttt tatcccaacg nacttcccc ntggaantgg gaaaaaccaa tgggccaanc 420  
 cgaaaaaaca ttacaanaac ccc 443

<210> 279  
 <211> 348  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (348)  
 <223> n = A,T,C or G

<400> 279  
 tcgagcggcc gcccgggcag gtgtcggagt ccagcacggg aggcgtggtc ttgtagttgt 60  
 tctcgggtg cccattgtc tcccaactcca cggcgatgtc gctgggatag aagcctttga 120  
 ccaggcaggt caggctgacc tggttcttgg tcatctctc ccgggatggg ggcagggtga 180  
 acacctgggg ttctcggggc ttgccctttg gttttgaana tggttttctc gatgggggct 240  
 ggaagggtt tgttgnaaac cttgcacttg actccttgcc attcaccag nctggngca 300  
 ggacggngag gacnctnacc acacggaacc gggctgggtg actgctcc 348

<210> 280  
 <211> 149  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (149)  
 <223> n = A,T,C or G

<400> 280  
 agcgtgggtc cggacgangt cctgtcagag tggnaactgg agaagttcca ngaaccctga 60  
 actgtaaggg ttcttcatca gtgccaacag gatgacatga aatgatgtac tcagaagnn 120  
 cctggaatgg ggcccatgan atggttgcc 149

<210> 281  
 <211> 404  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (404)  
 <223> n = A,T,C or G

<400> 281  
 tcgagcggcc gcccgggcag gtccaccaca cccaattcct tgctgggtatc atggcagccg 60  
 ccacgtgccg ggattaccgg ctacatcatc aagtatgaga agcctgggtc tctcccaga 120  
 gaagtggtec ctggccccg cctgggtgct acagaggcta ctattactgg cctggaaccg 180

ggaaccgaat	atacaattta	tgtcattgcc	ctgaagaata	atcagaagag	cgagccctg	240
attggaagga	aaaagacaga	cgagcttccc	caactggtaa	cccttccaca	ccccaatctt	300
catggaccag	agatcttggg	tgttccctcc	acagttcaaa	agaccccttt	cggcaccccc	360
cctgggtatg	aacctgggaa	aanggnantt	aanccttctt	ggca		404

<210> 282  
 <211> 507  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(507)  
 <223> n = A,T,C or G

<400> 282						
agcgtgggtcg	cggccgaggt	ctgggatgct	cctgctgtca	cagtgaagata	ttacaggatc	60
acttacggag	aaacaggagg	aaatagccct	gtccaggagt	tcactgtgcc	tgggagcaag	120
tctacagcta	ccatcagcgg	ccttaaacct	ggagttgatt	ataccatcac	tgtgtatgct	180
gtcactggcc	gtggagacag	ccccgcaagc	agcaagccaa	tttccattaa	ttaccgaaca	240
gaaattgaca	aaccatccca	gatgcaagtg	accgatgttc	aggacaacag	cattagtgtc	300
aagtggctgc	cttcaaggtn	ccctgggtact	gggttacaga	ntaaccacca	ctcccaaaaa	360
tggaccagga	accacaaaaa	cttaaactgc	aggggtccaga	tcaaaacaga	aatgactatt	420
gaangcttgc	agcccacagt	gggagtatgn	gggtagtgnc	tatgcttcag	aatccaagcg	480
gaaaaangtc	aagccttntg	ggttcaa				507

<210> 283  
 <211> 325  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(325)  
 <223> n = A,T,C or G

<400> 283						
tcgagcggcc	gcccgggcag	gtccttgcat	ctctgcagtg	tcttcttcac	catcaggtgc	60
agggaatagc	tcattggattc	catcctcagg	gctcgagtag	gtcaccctgt	acctggaaac	120
ttgcccctgt	gggctttccc	aagcaatttt	gatggaatcg	acatccacat	cagtgaatgc	180
cagtctttta	gggcgatcaa	tgttggttac	tgcagnctga	accagaggct	gactctctcc	240
gcttggaatc	tgagcataga	cactaaccac	atactccact	gtgggctgca	anccttcaat	300
aanncatttc	tgtttgatct	ggacc				325

<210> 284  
 <211> 331  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

<222> (1) ... (331)

<223> n = A,T,C or G

<400> 284

tcgagcggcc	gcccgggcag	gtctgggtggg	gtcctggcac	acgcacatgg	ggngttgnt	60
ctnatccagc	tgcccagccc	ccattggcga	gtttgagaag	gtgtgcagca	atgacaacaa	120
naccttcgac	tcttctgccc	acttctttgc	cacaaagtgc	accctggagg	gcaccaagaa	180
gggccacaag	ctccacctgg	actacatcgg	gccttgcaaa	tacatcccc	cttgcttggg	240
ctctgagctg	accgaattcc	cccttgccga	tgccgggactg	gtcacaagaac	cgtcctggca	300
cccttgatatg	anagggatga	agacacnacc	c			331

<210> 285

<211> 509

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1) ... (509)

<223> n = A,T,C or G

<400> 285

agcgtgggtcg	cggccgaggt	ctgtcctaca	gtcctcagga	ctctactccc	tcagcagcgt	60
ggtgaccgtg	ccctccagca	acttcggcac	ccagacctac	acctgcaacg	tagatcacaa	120
gcccagcaac	accaaggtgg	acaagagagt	tgagcccaaa	tcttgtagaca	aaactcacac	180
atgcccaccg	tgcccagcac	ctgaactcct	ggggggagcg	tcagtcttcc	tcttcccccg	240
catccccctt	ccaaacctgc	ccgggcggcc	gctcgaaaagc	cgaattccag	cacactggcg	300
gccggtacta	gtgganccna	acttgggnanc	caacctggng	gaantaatgg	gcataanctg	360
tttctggggg	gaaattggta	tccngtttac	aattcccnca	caacatacga	gccggaagca	420
taaaagncta	aaagcctggg	ggnggcctan	tgaagtgaag	ctaaactcac	attaattngc	480
gttgccgctc	actggccccg	ttttccagc				509

<210> 286

<211> 336

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1) ... (336)

<223> n = A,T,C or G

<400> 286

tcgagcggcc	gcccgggcag	gtttggaagg	gggatgcggg	ggaagaggaa	gactgacggt	60
ccccccagga	gttcaggtgc	tgggcacggt	gggcatgtgt	gagttttgtc	acaagatttg	120
ggctcaactc	tcttgctccac	cttgggtgtg	ctgggcttgt	gatctacgtt	gcaggtgtag	180
gtctggngc	cgaagtgtct	ggagggcacg	gtcaccacgc	tgctgagggg	gtagagtcct	240
gaggactgta	ngacagacct	cggccgngac	cacgctaagc	cgaattctgc	agatatccat	300
cacactggcg	gccgctccga	gcatgcattt	tagagg			336

<210> 287



<210>	290
<211>	324
<212>	DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(324)

<223> n = A,T,C or G

<400> 290

tcgagcggcc	gcccgggcag	gtctggggcca	ggaggaccaa	taggaccagt	aggacccctt	60
gggccatctt	tccctgggac	accatcagca	cctggaccgc	ctggttcacc	cttgtcaccc	120
tttggaccag	gacttccaag	acctcctctt	tctccaggca	ttccttgag	accaggagta	180
ccancagcac	caggtggccc	aggaggacca	gcagaccct	ttcctccttc	gggaccaggg	240
ggaccagctc	cacctctaag	tcttggggcc	cctgccaatc	caggaggggc	tccttcacct	300
ttctcacccg	gagccctctt	ttct				324

<210> 291

<211> 278

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(278)

<223> n = A,T,C or G

<400> 291

tcgagcggcc	gcccgggcag	gtccaccggg	atattcgggg	gtctgggcagg	aatgggaggc	60
atccagaacg	agaaggagac	catgcaaagc	ctgaacgacc	gcctggcctc	ttacctggac	120
agagtgagga	gcctggagac	cgacaaccgg	aggctggaga	gcaaaatccg	ggagcacttg	180
gagaagaagg	gaccccaggt	cagagactgg	agccattact	tcaagatcat	cgaggacctg	240
agggtcana	tcttcgcaa	tactgcngac	aatgcccg			278

<210> 292

<211> 299

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(299)

<223> n = A,T,C or G

<400> 292

atgcgnggtc	gcgcccgang	accanctctg	gtcatactt	gactctaaag	nontcaccag	60
nanttacggn	cattgccaat	ctgcagaacg	atgcgggcat	tgtccgcant	atttgccaag	120
atctgagccc	tcaggncctc	gatgatcttg	aagtaanggc	tccagtctct	gacctggggt	180
cccttcttct	ccaagtgtc	ccggattttg	ctctccagcc	tccggttctc	gggtctccaag	240
ncttctcact	ctgtccagga	aaagaggcca	ggcggnccgat	cagggtttt	gcatggact	299

<210> 293

<211> 101

09636301.031000

<212> DNA

<213> Homo sapien

<400> 293

```
agcgtgggtcg cgcccgaggt tgtacaagct tttttttttt tttttttttt tttttttttt      60
tttttttttt tttttttttt tttttttttt tttttttttt t                101
```

<210> 294

<211> 285

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(285)

<223> n = A,T,C or G

<400> 294

```
tcgagcggcc gcccgggcag gtctgccaac accaagattg gccccgcgcg catccacaca      60
gttngtgtgc ggggaggtaa caagaaatac cgtgccctga ggntggacgn ggggaatttc     120
tcctggggct cagagtgttg tactcgtaaa acaaggatca tcgatgttgt ctacaatgca     180
tctaataacg agctggttcg taccaagacc ctggtgaaga attgcatcgt gctcatngac     240
agcacaccgt accgacagtg ggtaccgaag tcccactatg cncct                      285
```

<210> 295

<211> 216

<212> DNA

<213> Homo sapien

<400> 295

```
tcgagcggcc gcccgggcag gtccaccaca cccaattcct tgctggtatc atggcagccg      60
ccacgtgccg ggattaccgg ctacatcatc aagtatgaga agcctgggtc tcctcccaga     120
gaagtgggtc ctcgcccccg ccctggtgtc acagaggcta ctattactgg cctggaaccg     180
ggaaccgaat atacaattta tgtcattgcc ctgaag                          216
```

<210> 296

<211> 414

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(414)

<223> n = A,T,C or G

<400> 296

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nnntcttctg attattcttc agggcaanga cataaattgt atattcggnt cccggttcca     120
gnccagtaat agtagcctct gtgacaccag ggccggggccg agggaccact tctctgggag     180
gagacccagg cttctcatac ttgatgatga agccggtaat cctggcacgt gggcggtctgc     240
catgatacca ccaangaatt ggggtgtggtg gacctgcccg ggccgggccgc tcgaaaancc     300
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00636301.091000

gaattcntgc aagaatatcc atcacacttg ggcgggccgn tcgaaccatg catcntaaaa 360  
 gggccccaat ttcccccta ttaggngaag ccncatttaa caaattccac ttgg 414

<210> 297  
 <211> 376  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (376)  
 <223> n = A,T,C or G

<400> 297  
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 cccggccctc ctggacctcc tggccccctt ggctctccca gcgctgggtt cgacttcagc 120  
 ttctgcccc agccacctca agagaaggct cagcatgggtg gccgtacta ccgggctgat 180  
 gatgccaatg tggttcgtga ccgtgacctc gaggtggaca ccacctcaa gagccttgag 240  
 ccagcagaat cgaaaacatt cggaacccaa gaagggaag cccgcaaaga aaccccgccc 300  
 gcacctggcc gngaacctcc aagaangtgc ccacntcttg actgggaaaa aaagggaaaa 360  
 ntacttgga ttggac 376

<210> 298  
 <211> 357  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (357)  
 <223> n = A,T,C or G

<400> 298  
 agcgtgggtcg cggccgaggt ccacatcggc agggtcggag ccctggccgc catactcgaa 60  
 ctggaatcca tcggtcatgc tctcgccgaa ccagacatgc ctcttgctct tggggttctt 120  
 gctgatgtac cagttcttct gggccacctt gggctgagtg gggtagacgc aggtctcacc 180  
 agtctccatg ttgcagaaga ctttgatggc atccaggttg cagccttggt tgggggtcaat 240  
 ccagtactct ccactcttcc agtcagaagt ggcacatctt gaggtcacgg cagggtgcgg 300  
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<210> 299  
 <211> 307  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1) ... (307)  
 <223> n = A,T,C or G

<400> 299

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gcgttacaaa ctctaggag ggcttgcgtg gggaggggcc tgctatggtg tgcgcggtt 120
catcatggag agtggggcca aaggctgcga ggttgtggtg tctgggaaac tccaggaca 180
gagggctaaa tccatgaagt ttgtggatgg cctgatgatc cacagcggag acctgttaa 240
ctactacgtt gacacttgct tgtgcgccac gtgttgcctc nacanggggt ggctgggcat 300
caaggng 307

```

```

<210> 300
<211> 351
<212> DNA
<213> Homo sapien

```

```

<400> 300
tcgagcggcc gccggggcag gtctgccaa gagaccctgt tatgctgtgg ggactggctg 60
gggcatggca ggcggtctct gctcccacc cttctgttct gagatggggg tggggggcag 120
tatctcatct ttgggttcca caatgctcac gtggtcaggc aggggcttct tagggccaat 180
cttaccagtt ggggtcccagg gcagcatgat cttcaccttg atgccagca caccctgtct 240
gagcaacacg tggcgccacg caagtgtcaa cgtaagtaag ttaacagggt ctccgctgtg 300
gatcatcagg ccatccaca acttcatgga tttaacctc tgtctcgga g 351

```

```

<210> 301
<211> 330
<212> DNA
<213> Homo sapien

```

```

<400> 301
tcgagcggcc gccggggcag gtgtttcaga ggttccaagg tccactgtgg aggtcccagg 60
agtgtggtg gtgggcacag aggtccgatg ggtgaaacca ttgacataga gactgttctt 120
gtccagggtg tagggggcca gctctttgat gccattggcc agttggctca gctcccagta 180
cagccgctct ctgttgagtc cagggctttt ggggtcaaga tgatggatgc agatggcatc 240
cactccagtg gctgtcccat cttctcgga cctgagagag gtcagtctgc agccagagta 300
cagagggcca acactggtgt tctttgaata 330

```

```

<210> 302
<211> 317
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (317)
<223> n = A,T,C or G

```

```

<400> 302
agcgtggtcg cggccgaggt ctgtactggg agctaagcaa actgaccaat gacattgaag 60
agctggggcc ctacacctg gacaggaaca gtctctatgt caatggtttc acccatcaga 120
gctctgtgnc caccaccagc actcctggga cctccacagt ggatttcaga acctcaggga 180
ctccatctc cctctccagc cccacaatta tggctgctgg cctctctctg gtaccattca 240
ccctcaactt caccatcacc aacctgcagt atggggagga catgggtcac cctgnctcca 300
ggaagttcaa caccaca 317

```

```
<220>  
<221> misc_feature  
<222> (1) ... (283)  
<223> n = A,T,C or G
```

```
<210> 304
<211> 72
<212> DNA
<213> Homo sapien
```

```
<210> 305
<211> 245
<212> DNA
<213> Homo sapien
```

```
<210> 306
<211> 246
<212> DNA
```

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(246)

<223> n = A,T,C or G

<400> 306

tcgagcgggc	gcccgggcag	gtccaccggg	atagccgggg	gtctggcagg	aatgggaggc	60
atccagaacg	agaaggagac	catgcaaagc	ctgaacgacc	gcctggcctc	ttacctggac	120
agagtgagga	gcctggagac	cganaaccgg	aggctggana	gcaaaatccg	ggagcacttg	180
gagaagaagg	gaccccaggt	caagagactg	gagccattac	ttcaagatca	tcgagggacc	240
tggagg						246

<210> 307

<211> 333

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(333)

<223> n = A,T,C or G

<400> 307

agcgnngtcg	cggccgaggt	ccagctctgt	ctcatacttg	actctaaagt	catcagcagc	60
aagacgggca	ttgtcaatct	gcagaacgat	gcgggcattg	tccgcagtat	ttgcgaagat	120
ctgagccctc	aggctcctga	tgatcttgaa	gtaatggctc	cagtctctga	cctgggggtcc	180
cttcttctcc	aagtgtctcc	ggatttttgt	ctccagcctc	cggttctcgg	tctccaggct	240
cctcactctg	tccaggtaag	aaggcccagg	cggctcgttca	ggctttgcat	ggtctccttc	300
tcgttctgga	tgcttcccat	tcctgccaga	ccc			333

<210> 308

<211> 310

<212> DNA

<213> Homo sapien

<400> 308

tcgagcggcc	gcccgggcag	gtcaggaagc	acattgggtct	tagagccact	gcctcctgga	60
ttccacctgt	gctgcggaca	tctccagggg	gtgcagaagg	gaagcaggtc	aaactgctca	120
gatcagtcag	actggctgtt	ctcagttctc	acctgagcaa	ggtcagtctg	cagccagagt	180
acagagggcc	aacactgggt	ttcttgaaca	agggcttgag	cagaccctgc	agaaccctct	240
tccgtgggtg	tgaacttctt	ggaaaccagg	gtgttgcatg	tttttctctc	taatgcaagg	300
ttgggtgatg						310

<210> 309

<211> 429

<212> DNA

<213> Homo sapien

<400> 309

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gctgatgtac	cagttcttct	gggccacact	gggctgagtg	gggtacaccg	caggtctcac	180
cagtctccat	gttgacagaag	actttgatgg	catccaggtt	gcagccttgg	ttgggggtcaa	240
tccagtactc	tccactcttc	cagtcagaag	tgggcacatc	ttgaggtcac	cggcaggtgc	300
cgggccgggg	gttcttgccg	cttgccctct	gggctccgga	tgttctcgat	ctgcttggct	360
caggctcttg	agggtgggtg	tccacctcga	ggtcacggtc	accgaaacct	gcccggggcg	420
cccgtcga						429

&lt;210&gt; 310

&lt;211&gt; 430

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(430)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 310

tgcagcggtc	gcccgggcag	gtttcgtgac	cgtgacctcg	agggtggacac	caccctcaag	60
agcctgagcc	agcagatcga	gaacatccgg	agcccagagg	gcagccgcaa	gaaccccgcc	120
cgcacctgcc	gtgacctcaa	gatgtgccac	tctgactgga	agagtggaga	gtactggatt	180
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aggaacccca	aggacaagag	gcattgtctt	ggttcggcga	gnagcatgac	ccgatggatt	360
ccagtttctga	gtattggcgg	ccagggtctc	ccgacctctg	ccgatgtgga	cctcggccgc	420
gaccaccgct						430

&lt;210&gt; 311

&lt;211&gt; 2996

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 311

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acagagagca	gctgtatttg	gagctgagcc	agctgaccca	cagcatcact	gagctggggc	120
cctacaccct	ggacagggac	agtctctatg	tcaatggttt	cacacagcgg	agctctgtgc	180
ccaccactag	cattcctggg	acccccacag	tggacctggg	aacatctggg	actccagttt	240
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cggagagggg	ccttcagggc	ctggctccctg	ttcaagagca	ccagtgttgg	ccctctgtac	420
tctggctgca	gactgacttt	gctcaggcct	gaaaaggatg	ggacagccac	tggagtggat	480
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accttgctca	ggccagagaa	agatggggaa	gccaccggag	tggatgcat	ctgcaccac	960



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agaagcttgg ctggggcaga aataaaccat attggtcgga cacaaaaaa aaaaaa 2996

<210> 312

<211> 914

<212> PRT

<213> Homo sapien

<400> 312

Met	Ser	Met	Val	Ser	His	Ser	Gly	Ala	Leu	Cys	Pro	Pro	Leu	Ala	Phe
1				5					10					15	
Leu	Gly	Pro	Pro	Gln	Trp	Thr	Trp	Glu	His	Leu	Gly	Leu	Gln	Phe	Leu
			20					25					30		
Asn	Leu	Val	Pro	Arg	Leu	Pro	Ala	Leu	Ser	Trp	Cys	Tyr	Ser	Leu	Ser
		35					40					45			
Thr	Ser	Pro	Ser	Pro	Thr	Cys	Gly	Met	Arg	Arg	Thr	Cys	Ser	Thr	Leu
	50					55					60				
Ala	Pro	Gly	Ser	Ser	Thr	Pro	Arg	Arg	Gly	Ser	Phe	Arg	Ala	Trp	Ser
65					70					75					80

Leu Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu  
 85 90 95  
 Thr Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala  
 100 105 110  
 Ile Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu  
 115 120 125  
 Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu  
 130 135 140  
 Gly Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr  
 145 150 155 160  
 His Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val  
 165 170 175  
 Tyr Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala  
 180 185 190  
 Ala Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn  
 195 200 205  
 Leu Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr  
 210 215 220  
 Thr Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr  
 225 230 235 240  
 Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro  
 245 250 255  
 Glu Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg  
 260 265 270  
 Pro Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu  
 275 280 285  
 Leu Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu  
 290 295 300  
 Asp Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val  
 305 310 315 320  
 Pro Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn  
 325 330 335  
 Phe Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly  
 340 345 350  
 Ser Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu Leu Ser  
 355 360 365  
 Pro Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg  
 370 375 380  
 Val Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp  
 385 390 395 400  
 Leu Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile  
 405 410 415  
 Lys Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg  
 420 425 430  
 Leu Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr  
 435 440 445  
 Asn Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr  
 450 455 460  
 Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His  
 465 470 475 480  
 Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser

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				485					490					495			
Pro	Asp	Met	Gly	Lys	Gly	Ser	Ala	Thr	Phe	Asn	Ser	Thr	Glu	Gly	Val		
			500					505					510				
Leu	Gln	His	Leu	Leu	Arg	Pro	Leu	Phe	Gln	Lys	Ser	Ser	Met	Gly	Pro		
		515					520					525					
Phe	Tyr	Leu	Gly	Cys	Gln	Leu	Ile	Ser	Leu	Arg	Pro	Glu	Lys	Asp	Gly		
	530					535					540						
Ala	Ala	Thr	Gly	Val	Asp	Thr	Thr	Cys	Thr	Tyr	His	Pro	Asp	Pro	Val		
545					550					555					560		
Gly	Pro	Gly	Leu	Asp	Ile	Gln	Gln	Leu	Tyr	Trp	Glu	Leu	Ser	Gln	Leu		
				565					570					575			
Thr	His	Gly	Val	Thr	Gln	Leu	Gly	Phe	Tyr	Val	Leu	Asp	Arg	Asp	Ser		
			580					585					590				
Leu	Phe	Ile	Asn	Gly	Tyr	Ala	Pro	Gln	Asn	Leu	Ser	Ile	Arg	Gly	Glu		
		595					600					605					
Tyr	Gln	Ile	Asn	Phe	His	Ile	Val	Asn	Trp	Asn	Leu	Ser	Asn	Pro	Asp		
	610					615					620						
Pro	Thr	Ser	Ser	Glu	Tyr	Ile	Thr	Leu	Leu	Arg	Asp	Ile	Gln	Asp	Lys		
625					630					635					640		
Val	Thr	Thr	Leu	Tyr	Lys	Gly	Ser	Gln	Leu	His	Asp	Thr	Phe	Arg	Phe		
				645					650					655			
Cys	Leu	Val	Thr	Asn	Leu	Thr	Met	Asp	Ser	Val	Leu	Val	Thr	Val	Lys		
			660					665					670				
Ala	Leu	Phe	Ser	Ser	Asn	Leu	Asp	Pro	Ser	Leu	Val	Glu	Gln	Val	Phe		
		675					680					685					
Leu	Asp	Lys	Thr	Leu	Asn	Ala	Ser	Phe	His	Trp	Leu	Gly	Ser	Thr	Tyr		
	690					695					700						
Gln	Leu	Val	Asp	Ile	His	Val	Thr	Glu	Met	Glu	Ser	Ser	Val	Tyr	Gln		
705					710					715					720		
Pro	Thr	Ser	Ser	Ser	Ser	Thr	Gln	His	Phe	Tyr	Leu	Asn	Phe	Thr	Ile		
				725					730					735			
Thr	Asn	Leu	Pro	Tyr	Ser	Gln	Asp	Lys	Ala	Gln	Pro	Gly	Thr	Thr	Asn		
			740					745					750				
Tyr	Gln	Arg	Asn	Lys	Arg	Asn	Ile	Glu	Asp	Ala	Leu	Asn	Gln	Leu	Phe		
		755					760					765					
Arg	Asn	Ser	Ser	Ile	Lys	Ser	Tyr	Phe	Ser	Asp	Cys	Gln	Val	Ser	Thr		
	770					775				780							
Phe	Arg	Ser	Val	Pro	Asn	Arg	His	His	Thr	Gly	Val	Asp	Ser	Leu	Cys		
785					790					795					800		
Asn	Phe	Ser	Pro	Leu	Ala	Arg	Arg	Val	Asp	Arg	Val	Ala	Ile	Tyr	Glu		
				805					810					815			
Glu	Phe	Leu	Arg	Met	Thr	Arg	Asn	Gly	Thr	Gln	Leu	Gln	Asn	Phe	Thr		
			820					825					830				
Leu	Asp	Arg	Ser	Ser	Val	Leu	Val	Asp	Gly	Tyr	Phe	Pro	Asn	Arg	Asn		
		835					840					845					
Glu	Pro	Leu	Thr	Gly	Asn	Ser	Asp	Leu	Pro	Phe	Trp	Ala	Val	Ile	Leu		
	850					855					860						
Ile	Gly	Leu	Ala	Gly	Leu	Leu	Gly	Leu	Ile	Thr	Cys	Leu	Ile	Cys	Gly		
865					870					875					880		
Val	Leu	Val	Thr	Thr	Arg	Arg	Arg	Lys	Lys	Glu	Gly	Glu	Tyr	Asn	Val		
				885					890					895			

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Gln Gln Gln Cys Pro Gly Tyr Tyr Gln Ser His Leu Asp Leu Glu Asp  
 900 905 910

Leu Gln

<210> 313  
 <211> 656  
 <212> DNA  
 <213> Homo sapiens

<400> 313  
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 tgcagtttgt ctacgactcc tcggagaaaa ccacttcaa agacgcagtc agtgctggga 180  
 agcacacagc caactcgcac cacctctctg ccttggtcac ccccgctggg aagtcctatg 240  
 agtggtcaagc tcaacaaacc atttcaactgg cctctagtga tccgcagaag acggtcacca 300  
 tgatectgtc tgcggtccac atccaacctt ttgacattat ctcagatttt gtcttcagtg 360  
 aagagcataa atgcccagtg gatgagcggg agcaactgga agaaaccttg cccctgattt 420  
 tggggctcat cttgggctct gtcacatggg taacactcgc gatttaccac gtccaccaca 480  
 aaatgactgc caaccaggtg cagatccctc gggacagatc ccagtataag cacatgggct 540  
 agaggecgtt aggcaggcac cccctattcc tgcctcccca actggatcag gtagaacaac 600  
 aaaagcactt ttccatcttg tacacgagat acaccaacat agctacaatc aaacag 656

<210> 314  
 <211> 519  
 <212> DNA  
 <213> Homo sapiens

<400> 314  
 tgtgcgtgga ccagtcagct tccgggtgtg actggagcag ggcttgctgt cttcttcaga 60  
 gtcactttgc aggggttggg gaagctgtc ccatccatgt acagctccca gtctactgat 120  
 gtttaaggat ggtctcgggt gttaggccca ctagaataaa ctgagtccaa tacctctaca 180  
 cagttatgtt taactgggct ctctgacacc gggaggaagg tggcgggggt taggtgttg 240  
 aaacttcaat ggttatgcgg ggatgttcac agagcaagct ttggtatcta gctagtctag 300  
 cattcattag ctaatggtgt cctttggtat ttattaaaat caccacagca tagggggact 360  
 ttatgttttag gttttgtcta agagttagct tatctgcttc ttgtgctaac agggctattg 420  
 ctaccaggga ctttggacat gggggccagc gtttggaaac ctcatctagt ttttttgaga 480  
 gataggccac tggccttgga cctcggcgcg gaccacgct 519

<210> 315  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 315  
 cacagagcgt ttattgacac caccactcct gaaaattggg atttcttatt aggttccct 60  
 aaaagttccc atgttgatta catgtaata gtcacatata tacaatgaag gcagtttctt 120  
 cagaggcaac cagggtttat agtgctaggt aaatgtcatc tcttttgtgc tactgactca 180  
 ttgtcaaacg tctctgcact gttttcagcc tctccaggtt gcctctgtcc tgetttcttag 240  
 ttccttcttt gtgacaaacc aaaagaataa gaggatttag aacaggactg cttttccct 300  
 atgatttaaa aattccaatg actttcgccc ttgggagaaa tttccaagga aatctctctc 360

gctcgtcttc tccgttttcc tttgtgagct tctgggggag ggtagtggt gactttttga 420  
tacgaaaaaa tgcattttgt g 441

<210> 316  
<211> 247  
<212> DNA  
<213> Homo sapiens

<400> 316  
tggcgcggt gctggatttc accttcttgc acctgcccgt gagcgccctg ggtctaaagg 60  
ggcgggatac tccattatgg cccctcgccc tgtagggctg gaatagttag aaaaggcaac 120  
ccagtctagc ttggttaagaa gagagacatg cccccaacct cggcgccctt tttcctcacg 180  
atctgctgtc cttacttcag cgactgcagg agcttcacct gcaagaaaac agcattgagc 240  
tgctgac 247

<210> 317  
<211> 409  
<212> DNA  
<213> Homo sapiens

<400> 317  
tgacagggct cctggagttg ttaagtcacc aagtagctgc aggggatgga cactgcccc 60  
cacgatgtgg gatgaacagc agccttggtt tgtagcccag ggtgtccatg gatttgacct 120  
gaatgctccc tggaggccct gtggcgagga caggcactgg atggtccaga cctctggct 180  
ggaggagtgg tggagccagg actgggccc cagccatgag ggctagaata acctgacctc 240  
ttgcattcta acactgggtc attaatgaca cctttccagt ggatgttgca aaaaccaaca 300  
ctgtcaggaa cctggcccctg ggagggctca ggtgagctca caaggagagg tcaagccaag 360  
ccaaagggta ggkaacacac aacaccaggg gaaaccagcc cccaaacca 409

<210> 318  
<211> 320  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)...(320)  
<223> n = A,T,C or G

<400> 318  
caaggnagat cttaagnggg gtentatgta agtgtgctcc tggctccagg gttcctggag 60  
cctcacgagg tcaggggaac ccttgtagaa ctccaccagc agcatcatct cgtgaaggat 120  
gtcattgggtc aggaagctgt cctggacgta ggccatctcc acatccatgg ggatgccata 180  
gtcactgggc ctttgctcgg gaggaggcat caccagaaa ggcgagatct tggactcggg 240  
gcctgggttg ccagaatagt aaggggagca nagcaggggc aggcagggct ggaagccatt 300  
gctggagccc tgcagccgca 320

<210> 319  
<211> 212  
<212> DNA  
<213> Homo sapiens

05635801 "084000

<220>

<221> misc\_feature

<222> (1)...(212)

<223> n = A,T,C or G

<400> 319

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tgaagcaata gcgcccccat tttacaggcg gagcatggaa gccagagagg tgggtggggg 60
aggggggtcct tccctggctc aggcagatgg gaagatgagg aagccgctga agacgctgtc 120
ggcctcagag ccctggtaaa tgtgaccctt tttgggggtct ttttcaacct anacctgggtc 180
accctgctgc agacctcggc cgcgaccacg ct 212
```

<210> 320

<211> 769

<212> DNA

<213> Homo sapiens

<400> 320

```
tggaggtgta gcagtgaag gagatgtcag gcaagagtgt cacagcagag ccctaaascc 60
tccaactcac cagtgaagga tgagactgcc cagtactcag ccttcattct ctggggccacc 120
tggagggcgt ctttctccat cagcgcatac tgagcagggg tactcagatc cttcttggaa 180
cctacaagga agagaagcac actggaaggg tcattctcct tcagggcatc ggccagccac 240
tgccctgccat gggaggtgga aagtaaggga tgagtgaagc tcaggggccc ctcccactga 300
cattcatagg cccaattacc ccctctctgg tcctacatgc attcttcttc ttccctgacca 360
cccctctgtt ctgaaccctc tcttcccgga gcctcccatt atattgcagg atgctcactt 420
acttggtatg ttccagagat gccacatcat tcagggtgaa gacaatgatg atggcttgga 480
agagtggcag aaacagcccc aggttgacag ggaagacact actgctcatt tccccaatcc 540
ttccagctcc atatgagaaa gccatgtgca ctctgagacc cacctacccc acttcaccca 600
gccccctacc ttgagctcct ctatagtagg ttgatgcaat gcatttgaac ctctcctgcc 660
cagcgggtatc ccaactggaa ggaaggaaga gtgaagcaca ggtatgtatc ttgggggggtg 720
tgggtgctgg ggagaagga tagctggaag ggggtgtgaa gcactcaca 769
```

<210> 321

<211> 690

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(690)

<223> n = A,T,C or G

<400> 321

```
tgggctgtgg gcggcacctg tgctctgcag gccagacagc gatagaagcc tttgtctgtg 60
cctactcccc cggaggcaac tgggaggtca acgggaagac aatcatcccc tataagaagg 120
gtgcctgggtg ttgcctctgc acagccagtg tctcaggctg cttcaaagcc tgggaccatg 180
cagggggggtc ctgtgaggtc cccaggaatc cttgtcgcag gagctgccag aaccatggac 240
gtctcaacat cagcacctgc cactgccact gtccccctgg ctacacgggc agatactgcc 300
aagtgaggtg cagcctgcag tgtgtgcacg gccgggtccg ggaggaggag tgctcgtgcg 360
tctgtgacat cggctacggg ggagcccagt gtgccaccaa ggtgcatttt cccttcaca 420
cctgtgacct gaggatcgac ggagactgct tcatggtgtc ttcagaggca gacacctatt 480
```



```

ccatcttcat catccacttc tgcttacagt ttgctgctta caataactta atgatggatt 300
gagttatctg ggtggtctct agccatctgg gcagtgtggt tctgtctaac caaagggcat 360
tggcctcaaa ccttcgattt ggtttagggg ctaacagagc tcctcagata atcttcacac 420
acatgtaact gctggagatc ttattctatt atgaataaga aacgagaagt ttttccaaag 480
tgttagtcag gatctgaagg ctgtcattca gataaccagc cttttccttt tggttttag 540
cccattcaga ctttgccaga gtcaagccaa ggattgcttt tttgctacag ttttctgcca 600
aatggcctag ttctgagta cctggaaacc agagagaaag ag 642

```

```

<210> 326
<211> 455
<212> DNA
<213> Homo sapiens

```

```

<400> 326
tccgtgagga tgagcttcga gtccttcacc aggcactgca ggggcacagt caggtcaatc 60
accttcacct tctcgtctct cctgctcttg tcattgacaa acttcccgtc ccaggcattg 120
acgatgatga ggcccattct ggactcttct gctcaatta tccttcggac agattcctgc 180
atcagccgga cagcggactc cgctcttgcc ttcttctgca gcacatcggg ggcggcgctt 240
tccctctgct tctccaattc cttctctttc tgagccctga ggtatggttt gatgatcaga 300
cggtgcatgg caaagtagac cactagaggc cccacggtgg catagaacat ggcgctgggc 360
agaagctggg ccgtcaagtg aataggggaag aagtatgtct gactggcctt gttgagcttg 420
actttgagag aaacgccttg tggaactcca acgct 455

```

```

<210> 327
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 327
ttcactgtga actcgcagtc ctcgatgaac tcgcacagat gtgacagccc tgtctccttg 60
ctctctgagt tctcttcaat gatgctgatg atgcagtcca cgatagcgcg cttataactca 120
aagccaccct cttcccgtag catggtgaac aggaagttca taaggacggc gtgtttgcga 180
ggatatttct gacacagggc actgatggcc tggacaacca ccaccttgaa ttcattccgag 240
atttctgaca tgaaggagga gatctgcttc atgaggcggt cgatgctgct ctcgctgccc 300
gtcttaagga ggggtggtgat g 321

```

```

<210> 328
<211> 476
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (476)
<223> n = A,T,C or G

```

```

<400> 328
tgcaggaggg gccatggggg ctgtgaatgg gatgcagccc catggtgtcc ctgataaatc 60
cagtgtgcag tctgatgaag tctgggtggg tgtggtctac gggctggcag ctaccatgat 120
ccaagaggta atgcactcct tttcccatct ctccaccatc tgtatcctgg ccmagaaaaa 180
cttccttca aaccaaccaa aatttccttt caaaggcata acccaaatgc catccttggg 240

```



```
<210> 329
<211> 340
<212> DNA
<213> Homo sapiens
```

```
<210> 330
<211> 277
<212> DNA
<213> Homo sapiens
```

```
<210> 331
<211> 136
<212> DNA
<213> Homo sapiens
```

```
<210> 332
<211> 184
<212> DNA
<213> Homo sapiens
```

```
<400> 332
ttgtgagata aacgcagata ctgcaatgca ttaaaacgct tgaaatactc atcaggggatg 60
ttgctgatct tattgtttgtc taagtagaga gttagaagag agacagggag accagaaggc 120
agtctgggcta tctgattgaa gctcaagtca aggtattcga gtgatttaag acctttaaaa 180
gcag 184
```

<210> 333  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 333  
 cggaaaactt cgaggaattg ctcaaagtgc tgggggtgaa tgtgatgctg aggaagattg 60  
 ctgtggctgc agcgtccaag ccagcagtgg agatcaaaca ggaggagagac actttctaca 120  
 tcaaaacctc caccaccgtg cgcaccacag agattaactt caagggtggg gaggagtgtg 180  
 aggagcagac tgtggatggg aggcctgtga agagcctggg gaaatgggag agtgagaata 240  
 aaatgggtctg tgagcagaag ctctgaagg gagagggccc caagacctcg tggaccagag 300  
 aactgaccaa cgatggggaa ctgatcctga ccatgacggc ggatgacgtt gtgtgcacca 360  
 gggctctacgt ccgagagtga gcgg 384

<210> 334  
 <211> 169  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(169)  
 <223> n = A,T,C or G

<400> 334  
 cnacaaacag agcagacacc ctggatccgg tcttgctact ggccaggacg gctggaccgt 60  
 aaaattgaat ttccacttcc tgaccgccgc cagaagagat tgattttctc cactatcact 120  
 agcaagatga acctctctga ggaggttgac ttggaagact atgtngccc 169

<210> 335  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 335  
 ccaggtttgc agcccagget gcacatcagg ggactgcctc gcaatacttc atgctgttgc 60  
 tgctgactga tgggtgctgtg acggatgtgg aagccacacg tgaggctgtg gtgcgtgcct 120  
 cgaacctgcc catgtcagtg atcattgtgg gtgtgggtgg tgctgacttt gaggccatgg 180  
 agcag 185

<210> 336  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(358)  
 <223> n = A,T,C or G

<400> 336

09636301 "08.10.00

```

ctgcccctgc cttacggcgg ccaganacac acccaggatg gcattggccc caaacttgga 60
tttgtttctca gtcccatcca actccagcat cagggttgccc agttttctctt gctccaccac 120
agagagacct gagctgatga gggctggcgc gatgggtggag ttgatgtggt ccaactgcctt 180
caggacacct ttgcctaagt aacgctgttt gtctccatcc ctccagctcca gggcctcata 240
gatgcccgtg gaggtccac tgggcactgc agcccggaaa agacctttgg cagtatagag 300
atccacctcc actgtggggg tcccgcggga gtccaggatc tcccgggccc agatcttc 358

```

<210> 337

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 337

```

cacaaagcca ccagccnggg aaatcagaat ttacttgatg caactgactt gtaatagcca 60
gaaatcctgc ccagcatggg attcagaacc tggctctgcaa ccaaatccac cgtcaaagtt 120
catacaggat aaaacaaatt caattgcctt ttccacatta atagcatcaa gcttcccca 180
caaagccaaa gttgccaccg cacaaaaaga gaatcttggt tcaatttctc cctactttat 240
aaaagtagat ttttcacatc ccatgaagca g 271

```

<210> 338

<211> 326

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(326)

<223> n = A,T,C or G

<400> 338

```

ctgtgctccc gactngnnc tctcaggtac caccgactgc actgggcggg gccctctggg 60
gggaaaggct ccacggggca gggatacatc tcgaggccag tcatcctctg gaggcagccc 120
aatcaggtca aagatcttgc ccaactgggc ggcttcagag tttccacaga agagaggctt 180
tcyagcaaac atctctgcaa agatacagcc aacactccac atgtccacag gtgttgcata 240
tgtggactgc agaagaactt cgggagctcg gtaccagagt gtaacaacca cgggtgtaag 300
tgccatctgg tagctgtaga ttctgg 326

```

<210> 339

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(260)

<223> n = A,T,C or G

09636801.081000

<210> 343

<211> 611  
 <212> DNA  
 <213> Homo sapiens

<400> 343  
 ccaaaaaaat caagatttaa ttttttttatt tgcactgaaa aactaatcat aactgttaat 60  
 tctcagccat ctttgaagct tgaaagaaga gtctttggta ttttgtaaac gtttagcagac 120  
 tttcctgccg gtgtcagaaa atcctattta tgaatcctgt cgggtattcct tgggtatctga 180  
 aaaaaatacc aaatagtacc atacatgagt tatttctaag ttgaaaaat aaaaagaaat 240  
 tgcatacacac taattacaaa atacaagttc tggaaaaaat atttttcttc attttaaaac 300  
 tttttttaac taataatggc tttgaaagaa gaggttaat ttgggggtgg taactaaaat 360  
 caaaagaaat gattgacttg agggctctctg tttggtaaga atacatcatt agcttaaata 420  
 agcagcagaa ggtagttttt aattatgtag cttctgttaa tattaagtgt tttttgtctg 480  
 ttttacctca atttgaacag ataagtttgc ctgcatgctg gacatgcctc agaaccatga 540  
 atagcccgtg ctagatcttg ggaacatgga tcttagagtc ctttgggaata agttcttata 600  
 taaatacccc c 611

<210> 344  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(311)  
 <223> n = A,T,C or G

<400> 344  
 nctcgaaaaa gcccaagaca gcagaagcag acacctccag tgaactagca aagaaaagca 60  
 aagaagtatt cagaaaagag atgtcccagt tcctcgtcca gtgcctgaac ctttaccgga 120  
 aacctgactg caaagtggga agaattacca caactgaaga ctttaaacad ctggctcgca 180  
 agctgactca cgggtgttatg aataaggagc tgaagtactg taagaatcct gaggaactgg 240  
 agtgcaatga gaatgtgaaa cacaaaacca aggantacat taanaagtac atgcannan 300  
 tttggggctt g 311

<210> 345  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<400> 345  
 cacacggtca tcccgactgc caacctggag gccagggccc tgtggaagga gccgggcagc 60  
 aatgtcacca tgagtgtgga tgctgagtgt gtgcccattg tcagggaact tctcaggtac 120  
 ttctactccc gaaggattga catcaccttg tcgtcagtca agtgcttcca caagctggcc 180  
 tctgcctatg gggccaggca g 201

<210> 346  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 346

```

ctgctccagg gcgtggtgtg ccttcgtggc ctctgcctcc tccgaggagc caggctgtgt 60
tctcttcaga atgttctgga gcagcagttt gaggcgggtg atgcgttgga agggcagaat 120
cagaaaggac ttgagggaaa ggcgctggca gacggggtcg ctctccagct tctccaagac 180
ctcccgaaaa ttgctgttgc tattcatcag gctctggaag gtgcgttctt gataggctctg 240
gttggtgaca taaggcaggt agaccggcg gaagtctggg gcgtggttca ggactacgtc 300
acatacttgg aaggagaaga tattgttctc aaagttctct tccaggtctg aaaggaacgt 360
ggcgctgacg                                     370

```

&lt;210&gt; 347

&lt;211&gt; 416

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(416)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 347

```

ctgttgtgct gtgtatggac gtgggcttta ccatgagtaa ctccattcct ggtatagaat 60
ccccatttga acaagcaaag aaggtgataa ccatgtttgt acagcgacag gtgtttgctg 120
agaacaagga tgagattgct ttagtcctgt ttggtacaga tggcactgac aatccccctt 180
ctggtgggga tcagtatcag aacatcacag tgcacagaca tctgatgcta ccagattttg 240
atttgctgga ggacattgaa agcaaaatcc aaccaggttc tcaacaggct gacttctctg 300
atgcactaat cgtgagcatg gatgtgatcc aacatgaaac aataggaaag aagtttggag 360
aagaggcata ttgaaatatt cactgacctc aagcagcccg attcagcaaa agtcan 416

```

&lt;210&gt; 348

&lt;211&gt; 351

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 348

```

gtacaggaga ggatggcagg tgcagagcgg gcactgagct ctgcagggtga aagggctcgg 60
cagttggatg ctctcctgga ggctctgaaa ttgaaacggg caggaaatag tctggcagcc 120
tctacagcag aagaaacggc aggcagtgcc cagggacyag caggagacag atgccttctt 180
cttgtctcaa ctgcāaagag gcgttccttc ctctttcact aatcctcttc agcacagacc 240
ctttacgggt gtcaggctgg gggacagtaa ggtctttccc tcccacaag gccatatctc 300
aggctgtctc agtgggggga aaccttggaac aataccggg ctttcttggg c 351

```

&lt;210&gt; 349

&lt;211&gt; 207

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(207)

&lt;223&gt; n = A,T,C or G

00936801.081000

ctgcccacac	tgatcacttg	cgagatgtcc	ttaggggtaca	agaacaggaa	ttgaagtctg	60
aatttgagca	gaacctgtct	gagaaaactct	ctgaacaaga	attacaattt	cgctgctctca	120
gtcaagagca	agttgacaac	tttactctgg	atataaatac	tgcttatgcc	agactcagag	180
gaatcgaaca	ggctgttcag	agccatgcag	ttgctgaaga	ggaagccaga	aaagcccacc	240
aactctggct	ttcagtggag	gcattaaagt	acagcatgaa	gacctcatct	gcagaaacac	300
ctactatccc	gctgggtagt	gcagttgagg	ccatcaaagc	caactgtttct	gataatgaat	360
tcacccaagc	tttaaccgca	gctatccctc	cagagtccct	gaccggtggg	gtgtacagtg	420
aagagaccct	tagagcccg	ttctatgctg	ttcaaaaact	ggcccca		467

<210> 353  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<400> 353  
 ctgctgcagc cacagtagtt cctcccatgg tgggtggccc tcttggctct gctggcccag 60  
 gaaatctgtc cccaccagga acagcccctg gaaaacggcc ccgtcctcta ccaccttggt 120  
 gaaatgctgc acgggaactg cctcctggag gaccagcttt accttcccca gacatttggtc 180  
 ctgattgtgt agttttcctg gactgcattt caaattgact caggaactgt ttattgcatg 240  
 gagttacaac aggattctga ccatgaagtt ctcttttagg taacagatcc attaaactttt 300  
 ttgaagatgc ttcagatcca acaccaacaa gggcaaacc ctttgactgg 350

<210> 354  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 354  
 atttagatga gatctgaggg atggagacat ggagacagta tacagactcc tagatttaag 60  
 ttttaggttt tttgtttttc taatcaccaa ttcttatata caatgtatat tttagactcg 120  
 agcagatgat catcttcac c ttaagtcatt ccttttgact gagtatggca ggattagagg 180  
 gaatggcagt atagatcaat gtctttttct gtaaagtata ggaaaaacca gagaggaaaa 240  
 aaagagctga caattggaag gtagtagaaa attgacgata atttcttctt aacaaataat 300  
 agttgtatat acaaggaggc tagtcaacca gattttattt gttgagggcg a 351

<210> 355  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 355  
 ttttggcgca agttttacag attttattaa agtcgaagct attggtcttg gaagatgaaa 60  
 atgcaaagt t gatgaggtg gaattgaagc cagatacctt aataaaatta tatcttggtt 120  
 ataaaaataa gaaattgaag gttaacatca atgtgccaat gaaaaccgaa cagaagcagg 180  
 aacaagaaac cacacacaaa aacatcgagg aagaccgcaa actactgatt caggcggcca 240  
 tcgtgagaat catgaagatg aggaagggtc tgaaacacca gcagttactt ggcgaggtcc 300  
 tcactcag 308

<210> 356  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 356  
 ctgtcccaag tgctcccaga aggcaggatt ctgaagacca ctccagcgat atgttcaact 60  
 atgaagaata ctgcaccgcc aacgcagtca ctgggccttg ccgtgcatcc ttcccacgct 120  
 ggtactttga cgtggagagg aactcctgca ataacttcat ctatggaggc tgccggggca 180  
 ataagaacag ctaccgctct gaggagg 207



<210> 357  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(188)  
 <223> n = A,T,C or G

<400> 357  
 tgcaccacgc cctcgtagcg catgngctnc aggacgatgc tcagagtgat gaacacccccg 60  
 gtgcggccca cgccagcact gcagtgcacc gtgataggcc catcctgtcc aaactgctcc 120  
 ttggtcttat gcacctgccc gatgaagtca atgaatccct cgctgtctt gggcacgccc 180  
 tgctctgg 188

<210> 358  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 358  
 ctgggagcat cggcaagcta ctgccttaaa atccgatctc cccgagtgca caatttctgt 60  
 cccttttaag ggttcacaac actaaagatt tcacatgaaa gggtttgat tgatttgagc 120  
 aggcaggcgg tacgtgacag gggctgcatg caccgggtgt cagagagaaa cagaacaggg 180  
 cagggaattt cacaatgttc ttctatacaa tggctggaat ctatgaataa catcagtttc 240  
 taagttatgg gttgattttt aactactggg tttaggccag gcaggcccag g 291

<210> 359  
 <211> 117  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(117)  
 <223> n = A,T,C or G

<400> 359  
 gccaccacac tccagcctgg gcaatacagc aagactgtct caaaaaaaaa aaaaaaaaaa 60  
 ccaaaaaaaaa ctcaaaaang taatgaatga tacccaangn gccttttcta gaaaaag 117

<210> 360  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 360  
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 tcgtgggtcc agtctggttg cagaatctgc acatttgcca agaaattttc cctgtttgga 120  
 aagtttgccc cagctttccc gggcacacca cttttgtcc caagtgtctg ccggtcgacc 180

09636901.08.1000

aatctgcctg ccacacattg accaagccag acccggttca cccagctcga ggatcccagg 240  
 ttgaagagtg gcccttgag gccctggaaa gaccaatcac tggacttctt cccttgagag 300  
 tcagaggtca cccgtgattc tgctgcacc ttatcattga tctgcagtga tttctgcaaa 360  
 tcaagagaaa ctctgcaggg cactcccctg tttc 394

<210> 361  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)...(394)  
 <223> n = A,T,C or G

<400> 361  
 ctgggaggat agcaccgggc atattttntt natggatgag gtctggcacc ctgagcagtc 60  
 cagcgaggac ttggtcttag ttgagcaatt tggctaggag gatagtatgc agcacggttc 120  
 tgagtctgtg ggatagctgc catgaagtaa cctgaaggag gtgctggctg gtaggggttg 180  
 attacagggt tgggaacagc tcgtacactt gccattctct gcatatactg gttagtgagg 240  
 tgagcctggc gctcttcttt gcgctgagct aaagctacat acaatggctt tgtggacctc 300  
 ggcgcgcacc acgctaagcc gaattccagc acactggcgg ccgttactag tggatccgag 360  
 ctcggtacca agcttggcgt aatcatggtc atag 394

<210> 362  
 <211> 268  
 <212> DNA  
 <213> Homo sapiens

<400> 362  
 ctgcgcgtgg accagtcagc ttccgggtgt gactggagca gggcttctcg tcttcttcag 60  
 agtcactttg caggggttgg tgaagctgct cccatccatg tacagctccc agtctactga 120  
 tgtttaagga tggctcgggt ggtaggccc actagaataa actgagtcca atacctctac 180  
 acagttatgt ttaactgggc tctctgacac cgggaggaag gtggcggggg ttaggtgttg 240  
 caaacttcaa tggttatgcg gggatggt 268

<210> 363  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<400> 363  
 ccttgacctt ttcagcaagt gggaagggtg aatccgtctc cacagacaag gccaggactc 60  
 gtttgtagcc gttgatgata gaatggggta ctgatgcaac agttgggtag ccaatctgca 120  
 gacagacact ggcaacattg cggacaccct ccaggaagcg agaatgcaga gtttcctctg 180  
 tgatatcaag cacttcaggg ttgtagatgc tgccattgtc gaacacctgc tggatgacca 240  
 gcccaaagga gaagggggag atgttgagca tgttcagcag cgtggcttcg ctggctccca 300  
 ctttgtctcc agtcttgatc aga 323

<210> 364  
 <211> 393

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1) ... (393)  
<223> n = A,T,C or G

<400> 364  
ccaagctctc catcgteccc gtgcgcagng gctactgggg gaacaagatc ggcaagcccc 60  
acactgtccc ttgcaagggtg acaggccgct gcggctctgt gctggtacgc ctcatcactg 120  
caccagggg cactggcacc gtctccgcac ctgtgcctaa gaagctgctc atgatggctg 180  
gcatcgatga ctgctacacc tcagcccggtg gctgcaetgc caccctgggc aacttcgcca 240  
aggccacctt tgatgccatt tctaagacct acagctacct gacccccgac ctctggaagg 300  
agactgtatt caccaagtct ccctatcagg agttcactga ccacctcgtc aagacccaca 360  
ccagagtctc cgtgcagcgg actcaggctc cag 393

<210> 365  
<211> 371  
<212> DNA  
<213> Homo sapiens

<400> 365  
cctcctcaga gcggtagctg ttcttattgc cccggcagcc tccatagatg aagttattgc 60  
aggagttcct ctccacgtca aagtaccagc gtgggaagga tgcacggcaa ggcccagtga 120  
ctgcgttggc ggtgcagtat tcttcatagt tgaacatata gctggagtgg tcttcagaat 180  
cctgccttct gggagcactt gggacagagg aatccgctgc attcctgctg gtggacctcg 240  
gccgcgacca cgttaagccg aattccagca cactggcggc cgttactagt ggatccgagc 300  
tcggtaccaa gcttggcgta atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg 360  
ctcacaattc c 371

<210> 366  
<211> 393  
<212> DNA  
<213> Homo sapiens

<400> 366  
atttcttgcc agatgggagc tctttggtga agactccttt cgggaaaagt tttttggctt 60  
cttcttcagg gatggttgga aggaccatca cactatcccc atccttccaa tcaactgggg 120  
tggcaaccct tttttctgct gtcagctgga gagagatgac taccctgaga atctcatcaa 180  
agtctctgcc agtggtagct gggtagagga tagacagctt cagcttctta tcaggaccaa 240  
aaacaaacac cacacgagct gccacaggca tgcccttttc atccttctct gctggatoca 300  
gcatgcccaa caggatggca agctccgat tcctatcacc gatgatggga aaaggtaact 360  
tttctgtggg ctcttcacaa ttgtaagcat tga 393

<210> 367  
<211> 327  
<212> DNA  
<213> Homo sapiens

<220>

000T80" T02SE560

<221> misc\_feature  
 <222> (1) ... (327)  
 <223> n = A,T,C or G

<400> 367  
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 gcagaacgat gcgggcattg tccacagtat ttgcgaagat ctgagccctc aggtcctcga 120  
 tgatcttgaa gtaatggctc cagtctctga cctgggggtcc cttcttctcc aagtgcctcc 180  
 ggattttgct ctccagcctc cggttctcgg tctccaggct cctcactctg tccaggtaag 240  
 agggccaggcg gtctgttcagg ctttgcattg tctccttctc gttctggatg cctcccatc 300  
 ctgccagacc cccggtatc cgggtgg 327

<210> 368  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) ... (306)  
 <223> n = A,T,C or G

<400> 368  
 ctggagaagg acttcagcag tttnaagaag tactgccaa gtcattccgtgt cattgcccac 60  
 acccagatgc gcctgcttcc tctgcgccag aagaaggccc acctgatgga gatccagggtg 120  
 aacggaggca ctgtggccga gaagctggac tgggcccgcg agaggcttga gcagcaggta 180  
 cctgtgaacc aagtgtttgg gcaggatgag atgacgcacg tcatcggggg gaccaagggc 240  
 aaaggctaca aaggggtcac cagtcgttgg cacaccaaga agctgccccg caagaccac 300  
 cgagga 306

<210> 369  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 369  
 tcgaccaca ccggaacacg gagagctggg ccagcattgg cacttgatag gatttcccgt 60  
 cggctgccac gaaagtgcgt ttctttgtgt tctcgggttg gaaccgtgat ttccacagac 120  
 ccttgaaata cactgcgttg acgaggacca gtctgggtgag cacaccatca ataagatctg 180  
 gggacagcag attgtcaatc atatccctgg tttcattttt aaccatgca ttgatggaat 240  
 cacaggcaga ggctggatcc tcaaagttca cattccggac ctcacactgg aacacatctt 300  
 tgttccttgt aacaaaaggc acttcaattt cagaggcatt cttaacaaac acggcggttag 360  
 ccactgtcac aatgtcttta ttcttcttgg agac 394

<210> 370  
 <211> 653  
 <212> DNA  
 <213> Homo sapiens

<400> 370  
 ccaccacacc caattccttg ctggtatcat ggcagccgcc acgtgccagg attaccggct 60

000T30-1089560

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acatcatcaa gtatgagaag cctgggtctc ctcccagaga agtgggtccct cggtcccgcc 120
ctggtgtcac agaggctact attactggcc tggaaaccggg aaccgaatat acaatttatg 180
tcattgccct gaagaataat cagaagagcg agcccctgat tggaggaaa aagacagacg 240
agcttcccca actggttaacc ctccacacc ccaatcttca tggaccagag atcttggatg 300
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gtattcagct tcttggcact tctggtcagc aaccacgtgt tgggcaacaa atgatctttg 420
aggaacatgg ttttaggcgg accacaccgc ccacaacggc cacccccata aggcataggc 480
caagaccata ccgcccgaat gtaggacaag aagctctctc tcagacaacc atctcatggg 540
ccccattcca ggacacttct gagtacatca ttcatgtca tctgtttggc actgatgaag 600
aacccttaca gttcaggggt cctggaactt ctaccagtgc cactctgaca gga 653

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<210> 371

<211> 268

<212> DNA

<213> Homo sapiens

<400> 371

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ctgcccagcc cccattggcg agtttgagaa ggtgtgcagc aatgacaaca agaccttcga 60
ctcttctctg cacttctttg ccacaaagtg caccctggag ggcaccaaga agggccacaa 120
gctccacctg gactacatcg ggccttgcaa atacatcccc ccttgccctgg actctgagct 180
gaccgaattc cccctgcgca tgcgggactg gctcaagaac gtctgtgtca cctgtatga 240
gagggatgag gacaacaacc ttctgact 268

```

<210> 372

<211> 392

<212> DNA

<213> Homo sapiens

<400> 372

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gctggtgccc ctggtgaacg tggacctcct ggattggcag gggccccagg acttagaggt 60
ggaactggtc cccctggtcc cgaaggagga aagggtgctg ctggtcctcc tgggccacct 120
ggtgctgctg gtactcctgg tctgcaagga atgcctggag aaagaggagg tcttggaagt 180
cctggtccaa agggtgacaa ggggtgaacca ggcggtccag gtgctgatgg tgtcccagg 240
aaagatggcc caaggggtcc tactggtcct attggtcctc ctggcccagc tggccagcct 300
ggagataagg gtgaagggtg tgcctccgga cttccaggta tagctggacc tcgtggtagc 360
cctggtgaga gaggtgaaac ctcggccgcg ac 392

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<210> 373

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 373

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ccaagcgctc agatcggcaa ggggcaccan ttttgatctg ccagtgcac agccccacaa 60
ccaggtcagc gatgaaggta tcttcagtct cccccgaacg atgagacacc atgacgcccc 120
aaccattggc ctgggcccagc ttgcacgcct gaagagactc ggtcacggag ccaatctggt 180

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gctccacctg gactacatcg ggccttgcaa atacatcccc ccttgccctgg actctgagct 180  
gaccgaattc cccctgcgca tgcgggactg gctcaagaac gtccctggta cccctgtatga 240  
gagggatgag gacaacaacc ttctgactga gaagcagaag ctgcgggtga agaagatcca 300  
tgagaatgag aagcgcttg aggccaggaga ccacccctg gagctgctgg cccgggactt 360  
cgagaagaac tataacatgt acatcttccc tg 392

<210> 377

<211> 292

<212> DNA

<213> Homo sapiens

<400> 377

caatgtttga tgcttaaccc ccccaatttc tgtgagatgg atggccagtg caagcgtgac 60  
ttgaagtgtt gcatgggcat gtgtgggaaa tcttgcgttt cccctgtgaa agcttgattc 120  
ctgccatatg gaggaggctc tggagtcctg ctctgtgtgg tccaggctct tccaccctg 180  
agacttggct ccaccactga tctctcctt tggggaaagg cttggcacac agcaggcttt 240  
caagaagtgc cagttgatca atgaataaat aaacgagcct atttctcttt gc 292

<210> 378

<211> 395

<212> DNA

<213> Homo sapiens

<400> 378

ctgctgcttc agcgaagggt ttctggcata tccaatgata aggctgccaa agactgttcc 60  
aataccagca ccagaaccag ccactcctac tgttgacga cctgcaccaa taaatttggc 120  
agcagtatca atgtctctgc tgattgcaact ggtctgaaac tccctttgga ttagctgaga 180  
cacaccattc tgggccctga ttttcctaag atagaactcc aactctttgc cctctagcac 240  
atagccatct gctcggccac actgtcccgg ccttgaagcg atgcacgcaa gaagcttgcc 300  
ctgctggaac tgctcctcca ggagactgct gattttggca ttctttttcc ttcatcata 360  
tttcttctga attttttaga tcgttttttg ttttaa 395

<210> 379

<211> 223

<212> DNA

<213> Homo sapiens

<400> 379

ccagatgaaa tgctgccgca atggctgtgg gaagggtgcc tgtgtcactc ccaatttctg 60  
agctccagcc accaccaggc tgagcagtga ggagagaaag tttctgcctg gccctgcac 120  
tggttccagc ccacctgcc tccccctttt cgggactctg tattccctct tgggctgacc 180  
acagcttctc cctttcccaa ccaataaagt aaccactttc agc 223

<210> 380

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)...(317)

000T30-0809550







ccaggtctgc ctatcaagca ggtgttccat gagctgagcc agcagaccca tggcatcacc 1440  
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 ggtccagatg agcctcctac aactcccaag ccagccacca cattcctgcc tectctgtca 1560  
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 aatctccagt attcaccaga tatgggcaag ggctcagcta cattcaactc caccgagggg 1680  
 gtccttcagc acctgtcag acccttggtc cagaagagca gcatggggcc cttctacttg 1740  
 ggttgccaac tgatctccct caggcctgag aaggatgggg cagccactgg tgtggacacc 1800  
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 aatttcaca ttgtcaactg gaacctcagt aatccagacc ccacatctc agagtacatc 2040  
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 gtgccaggc tactaccagt cacacctaga cctggaggat ctgcaatgac tgggaacttg 2820  
 cgggtgcttg ggtgccttcc cccagccag ggtccaaaga agcttggctg gggcagaaat 2880  
 aaaccatatt ggtcggaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2940  
 aaa 2943

<210> 386

<211> 2608

<212> DNA

<213> Homo sapiens

<400> 386

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 tgaaaaggat gggacagcca ctggagtggg tgccatctgc acccaccacc ctgaccccaa 120  
 aagccctagg ctggacagag agcagctgta ttgggagctg agccagctga cccacaatat 180  
 cactgagctg ggcccctatg ccctggacaa cgacagcctc tttgtcaatg gtttctactca 240  
 tcggagctct gtgtccacca ccagcactcc tgggaccccc acagtgtatc tgggagcatc 300  
 taagactcca gcctcgatat ttggcccttc agctgccagc catctcctga tactattcac 360  
 cctcaacttc accatcacta acctgcggta tgaggagaac atgtggcctg gctccaggaa 420  
 gttcaacact acagagaggg tccctcaggg cctgctaagg cccttggtca agaaccagg 480  
 tgttggccct ctgtactctg gctgcaggct gaccttgctc aggccagaga aagatgggga 540  
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 cagagagcag ctgtatttgg agctgagcca gctgaccac agcatcactg agctggggcc 660  
 ctacacactg gacagggaca gtctctatgt caatggtttc acccatcgga gctctgtacc 720  
 caccaccagc accgggggtg tcagcgagga gccattcaca ctgaacttca ccatcaacaa 780  
 cctgcgttac atggcggaca tgggccaacc cggctccctc aagttcaaca tcacagacaa 840  
 cgtcatgaag cacctgctca gtcctttgtt ccagaggagc agcctgggtg cacggtacac 900  
 aggctgcagg gtcacgcac taaggctctg gaagaacggt gctgagacac ggggtggacct 960  
 cctctgcacc tacctgcagc ccctcagcgg ccaggtctg cctatcaagc aggtgttcca 1020



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accagttggt ggacatccat gtgacagaaa tggagtcac agtttatcaa ccaacaagca 1080
gctccagcac ccagcacttc tacctgaatt tcaccatcac caacctacca tattcccagg 1140
acaaagccca gccaggcacc accaattacc agaggaacaa aaggaatatt gaggatgcgc 1200
tcaaccaact cttccgaaac agcagcatca agagttattt ttctgactgt caagtttcaa 1260
cattcaggtc tgtccccaac aggcaccaca ccgggggtgga ctccctgtgt aacttctcgc 1320
cactggctcg gagagtagac agagttgcca tctatgagga atttctgcgg atgacccgga 1380
atggtaccca gctgcagaac ttcaccctgg acaggagcag tgtccttggt gatgggtatt 1440
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tcacgggtt ggcaggactc ctgggactca tcacatgcct gatctgcgg gtctggtga 1560
ccaccgcgcg gcggaagaag gaaggagaat acaacgtcca gcaacagtgc ccaggctact 1620
accagtcaca cctagacctg gaggatctgc aatgactgga acttgccgg gctgggggtg 1680
cctttcccc agccagggtc caaagaagct tggctggggc agaaataaac catattggtc 1740
ggacacaaaa aaaaaaaaaa a 1761

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&lt;210&gt; 388

&lt;211&gt; 772

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 388

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Met Ser Met Val Ser His Ser Gly Ala Leu Cys Pro Pro Leu Ala Phe
          5                      10                      15

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Leu Gly Pro Pro Gln Trp Thr Trp Glu His Leu Gly Leu Gln Phe Leu
          20                      25                      30

```

```

Asn Leu Val Pro Arg Leu Pro Ala Leu Ser Trp Cys Tyr Ser Leu Ser
          35                      40                      45

```

```

Thr Ser Pro Ser Pro Thr Cys Gly Met Arg Arg Thr Cys Ser Thr Leu
          50                      55                      60

```

```

Ala Pro Gly Ser Ser Thr Pro Arg Arg Gly Ser Phe Arg Ala Trp Ser
          65                      70                      75                      80

```

```

Leu Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu
          85                      90                      95

```

```

Thr Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala
          100                     105                     110

```

```

Ile Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu
          115                     120                     125

```

```

Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu
          130                     135                     140

```

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Gly Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr
          145                     150                     155                     160

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```

His Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val

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000T80" T0B9E960



435                      440                      445  
 Asn Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr  
 450                      455                      460  
 Thr Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His  
 465                      470                      475                      480  
 Leu Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser  
 485                      490                      495  
 Pro Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val  
 500                      505                      510  
 Leu Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro  
 515                      520                      525  
 Phe Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly  
 530                      535                      540  
 Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val  
 545                      550                      555                      560  
 Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu  
 565                      570                      575  
 Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser  
 580                      585                      590  
 Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu  
 595                      600                      605  
 Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp  
 610                      615                      620  
 Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys  
 625                      630                      635                      640  
 Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe  
 645                      650                      655  
 Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr Val Lys  
 660                      665                      670  
 Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe  
 675                      680                      685  
 Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr  
 690                      695                      700  
 Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln

000T80" T089E960

705                      710                      715                      720  
 Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile  
                                  725                      730                      735  
 Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn  
                                  740                      745                      750  
 Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Ala Pro His Arg Gly  
                                  755                      760                      765  
 Gly Leu Pro Val  
                                  770

<210> 389  
 <211> 833  
 <212> PRT  
 <213> Homo sapiens

<400> 389  
 Phe Lys Ser Thr Ser Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr  
                                  5                      10                      15  
 Leu Leu Arg Pro Glu Lys Asp Gly Thr Ala Thr Gly Val Asp Ala Ile  
                                  20                      25                      30  
 Cys Thr His His Pro Asp Pro Lys Ser Pro Arg Leu Asp Arg Glu Gln  
                                  35                      40                      45  
 Leu Tyr Trp Glu Leu Ser Gln Leu Thr His Asn Ile Thr Glu Leu Gly  
                                  50                      55                      60  
 Pro Tyr Ala Leu Asp Asn Asp Ser Leu Phe Val Asn Gly Phe Thr His  
                                  65                      70                      75                      80  
 Arg Ser Ser Val Ser Thr Thr Ser Thr Pro Gly Thr Pro Thr Val Tyr  
                                  85                      90                      95  
 Leu Gly Ala Ser Lys Thr Pro Ala Ser Ile Phe Gly Pro Ser Ala Ala  
                                  100                      105                      110  
 Ser His Leu Leu Ile Leu Phe Thr Leu Asn Phe Thr Ile Thr Asn Leu  
                                  115                      120                      125  
 Arg Tyr Glu Glu Asn Met Trp Pro Gly Ser Arg Lys Phe Asn Thr Thr  
                                  130                      135                      140  
 Glu Arg Val Leu Gln Gly Leu Leu Arg Pro Leu Phe Lys Asn Thr Ser  
                                  145                      150                      155                      160

000T80" T089E960

Val Gly Pro Leu Tyr Ser Gly Cys Arg Leu Thr Leu Leu Arg Pro Glu  
 165 170 175  
 Lys Asp Gly Glu Ala Thr Gly Val Asp Ala Ile Cys Thr His Arg Pro  
 180 185 190  
 Asp Pro Thr Gly Pro Gly Leu Asp Arg Glu Gln Leu Tyr Leu Glu Leu  
 195 200 205  
 Ser Gln Leu Thr His Ser Ile Thr Glu Leu Gly Pro Tyr Thr Leu Asp  
 210 215 220  
 Arg Asp Ser Leu Tyr Val Asn Gly Phe Thr His Arg Ser Ser Val Pro  
 225 230 235 240  
 Thr Thr Ser Thr Gly Val Val Ser Glu Glu Pro Phe Thr Leu Asn Phe  
 245 250 255  
 Thr Ile Asn Asn Leu Arg Tyr Met Ala Asp Met Gly Gln Pro Gly Ser  
 260 265 270  
 Leu Lys Phe Asn Ile Thr Asp Asn Val Met Lys His Leu Leu Ser Pro  
 275 280 285  
 Leu Phe Gln Arg Ser Ser Leu Gly Ala Arg Tyr Thr Gly Cys Arg Val  
 290 295 300  
 Ile Ala Leu Arg Ser Val Lys Asn Gly Ala Glu Thr Arg Val Asp Leu  
 305 310 315 320  
 Leu Cys Thr Tyr Leu Gln Pro Leu Ser Gly Pro Gly Leu Pro Ile Lys  
 325 330 335  
 Gln Val Phe His Glu Leu Ser Gln Gln Thr His Gly Ile Thr Arg Leu  
 340 345 350  
 Gly Pro Tyr Ser Leu Asp Lys Asp Ser Leu Tyr Leu Asn Gly Tyr Asn  
 355 360 365  
 Glu Pro Gly Pro Asp Glu Pro Pro Thr Thr Pro Lys Pro Ala Thr Thr  
 370 375 380  
 Phe Leu Pro Pro Leu Ser Glu Ala Thr Thr Ala Met Gly Tyr His Leu  
 385 390 395 400  
 Lys Thr Leu Thr Leu Asn Phe Thr Ile Ser Asn Leu Gln Tyr Ser Pro  
 405 410 415  
 Asp Met Gly Lys Gly Ser Ala Thr Phe Asn Ser Thr Glu Gly Val Leu  
 420 425 430

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Gln His Leu Leu Arg Pro Leu Phe Gln Lys Ser Ser Met Gly Pro Phe  
 435 440 445  
 Tyr Leu Gly Cys Gln Leu Ile Ser Leu Arg Pro Glu Lys Asp Gly Ala  
 450 455 460  
 Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val Gly  
 465 470 475 480  
 Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu Thr  
 485 490 495  
 His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu Asp Arg Asp Ser Leu  
 500 505 510  
 Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser Ile Arg Gly Glu Tyr  
 515 520 525  
 Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu Ser Asn Pro Asp Pro  
 530 535 540  
 Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys Val  
 545 550 555 560  
 Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp Thr Phe Arg Phe Cys  
 565 570 575  
 Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu Val Thr Val Lys Ala  
 580 585 590  
 Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe Leu  
 595 600 605  
 Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu Gly Ser Thr Tyr Gln  
 610 615 620  
 Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln Pro  
 625 630 635 640  
 Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile Thr  
 645 650 655  
 Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn Tyr  
 660 665 670  
 Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln Leu Phe Arg  
 675 680 685  
 Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys Gln Val Ser Thr Phe  
 690 695 700

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Leu Ser Gln Leu Thr His Gly Val Thr Gln Leu Gly Phe Tyr Val Leu  
 100 105 110  
 Asp Arg Asp Ser Leu Phe Ile Asn Gly Tyr Ala Pro Gln Asn Leu Ser  
 115 120 125  
 Ile Arg Gly Glu Tyr Gln Ile Asn Phe His Ile Val Asn Trp Asn Leu  
 130 135 140  
 Ser Asn Pro Asp Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp  
 145 150 155 160  
 Ile Gln Asp Lys Val Thr Thr Leu Tyr Lys Gly Ser Gln Leu His Asp  
 165 170 175  
 Thr Phe Arg Phe Cys Leu Val Thr Asn Leu Thr Met Asp Ser Val Leu  
 180 185 190  
 Val Thr Val Lys Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val  
 195 200 205  
 Glu Gln Val Phe Leu Asp Lys Thr Leu Asn Ala Ser Phe His Trp Leu  
 210 215 220  
 Gly Ser Thr Tyr Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser  
 225 230 235 240  
 Ser Val Tyr Gln Pro Thr Ser Ser Ser Thr Gln His Phe Tyr Leu  
 245 250 255  
 Asn Phe Thr Ile Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro  
 260 265 270  
 Gly Thr Thr Asn Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu  
 275 280 285  
 Asn Gln Leu Phe Arg Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys  
 290 295 300  
 Gln Val Ser Thr Phe Arg Ser Val Pro Asn Arg His His Thr Gly Val  
 305 310 315 320  
 Asp Ser Leu Cys Asn Phe Ser Pro Leu Ala Arg Arg Val Asp Arg Val  
 325 330 335  
 Ala Ile Tyr Glu Glu Phe Leu Arg Met Thr Arg Asn Gly Thr Gln Leu  
 340 345 350  
 Gln Asn Phe Thr Leu Asp Arg Ser Ser Val Leu Val Asp Gly Tyr Phe  
 355 360 365

000T80" T089E960



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<210> 392
<211> 309
<212> PRT
<213> Homo sapiens
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His Ala Ser Ala His Ala Ser Gly Arg Gln Arg Gln Leu His Ser Ala  
5 10 15

Ser Thr Gln Ile Arg Trp Glu Pro Ser Pro Ala Met Ala Ser Leu Gly  
20 25 30

Gln Ile Leu Phe Trp Ser Ile Ile Ser Ile Ile Ile Ile Leu Ala Gly  
35 40 45

Ala Ile Ala Leu Ile Ile Gly Phe Gly Ile Ser Gly Arg His Ser Ile  
50 55 60

Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile  
65 70 75 80

Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile Val Ile  
85 90 95

Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu  
100 105 110

Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr  
115 120 125

Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu  
130 135 140

Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile  
145 150 155 160

Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala  
165 170 175

Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr  
180 185 190

Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp  
195 200 205

Ala Ser Gln Val Asp Gln Gly Ala Asn Phe Ser Glu Val Ser Asn Thr  
210 215 220

Ser Phe Glu Leu Asn Ser Glu Asn Val Thr Met Lys Val Val Ser Val  
225 230 235 240

Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser Cys Met Ile Glu Asn  
245 250 255

Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val Thr Glu Ser Glu Ile  
260 265 270

Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser Lys Ala Ser Leu Cys  
275 280 285

Val Ser Ser Phe Phe Ala Ile Ser Trp Ala Leu Leu Pro Leu Ser Pro  
290 295 300

Tyr Leu Met Leu Lys  
305

<210> 393

<211> 282

<212> PRT

<213> Homo sapiens

<400> 393

Met Ala Ser Leu Gly Gln Ile Leu Phe Trp Ser Ile Ile Ser Ile Ile  
5 10 15

Ile Ile Leu Ala Gly Ala Ile Ala Leu Ile Ile Gly Phe Gly Ile Ser  
20 25 30

Gly Arg His Ser Ile Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile  
35 40 45

Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu  
50 55 60

Ser Asp Ile Val Ile Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val

000T30" F089E960

65					70					75					80
His	Glu	Phe	Lys	Glu	Gly	Lys	Asp	Glu	Leu	Ser	Glu	Gln	Asp	Glu	Met
				85					90					95	
Phe	Arg	Gly	Arg	Thr	Ala	Val	Phe	Ala	Asp	Gln	Val	Ile	Val	Gly	Asn
			100					105					110		
Ala	Ser	Leu	Arg	Leu	Lys	Asn	Val	Gln	Leu	Thr	Asp	Ala	Gly	Thr	Tyr
		115					120					125			
Lys	Cys	Tyr	Ile	Ile	Thr	Ser	Lys	Gly	Lys	Gly	Asn	Ala	Asn	Leu	Glu
	130					135					140				
Tyr	Lys	Thr	Gly	Ala	Phe	Ser	Met	Pro	Glu	Val	Asn	Val	Asp	Tyr	Asn
145					150					155					160
Ala	Ser	Ser	Glu	Thr	Leu	Arg	Cys	Glu	Ala	Pro	Arg	Trp	Phe	Pro	Gln
				165					170					175	
Pro	Thr	Val	Val	Trp	Ala	Ser	Gln	Val	Asp	Gln	Gly	Ala	Asn	Phe	Ser
		180						185					190		
Glu	Val	Ser	Asn	Thr	Ser	Phe	Glu	Leu	Asn	Ser	Glu	Asn	Val	Thr	Met
		195					200					205			
Lys	Val	Val	Ser	Val	Leu	Tyr	Asn	Val	Thr	Ile	Asn	Asn	Thr	Tyr	Ser
	210					215					220				
Cys	Met	Ile	Glu	Asn	Asp	Ile	Ala	Lys	Ala	Thr	Gly	Asp	Ile	Lys	Val
225					230					235					240
Thr	Glu	Ser	Glu	Ile	Lys	Arg	Arg	Ser	His	Leu	Gln	Leu	Leu	Asn	Ser
				245					250					255	
Lys	Ala	Ser	Leu	Cys	Val	Ser	Ser	Phe	Phe	Ala	Ile	Ser	Trp	Ala	Leu
			260					265					270		
Leu	Pro	Leu	Ser	Pro	Tyr	Leu	Met	Leu	Lys						
		275					280								
<210> 394															
<211> 20															
<212> PRT															
<213> Homo sapiens															
<400> 394															
Met	Ala	Ser	Leu	Gly	Gln	Ile	Leu	Phe	Trp	Ser	Ile	Ile	Ser	Ile	Ile
1				5					10					15	
Ile	Ile	Leu	Ala												
20															





Val Leu Gly Leu Val His Glu Phe Lys Glu Gly Lys Asp Glu Leu Ser  
 1 5 10 15  
 Glu Gln Asp Glu  
 20

<210> 400  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 400  
 Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr Ala Val Phe Ala Asp  
 1 5 10 15  
 Gln Val Ile Val  
 20

<210> 401  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 401  
 Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu Lys Asn Val Gln  
 1 5 10 15  
 Leu Thr Asp Ala  
 20

<210> 402  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 402  
 Val Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile Thr Ser  
 1 5 10 15  
 Lys Gly Lys Gly Asn  
 20

<210> 403  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 403  
 Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala Phe Ser  
 1 5 10 15  
 Met Pro Glu Val  
 20

<210> 404  
 <211> 20

000T30" T089E960

<400> 404

<210> 405

<211> 20

<212> PRT

<213> Homo sapiens

<400> 405

<210> 406

<211> 20

<212> PRT

<213> Homo sapiens

<400> 406

<210> 407

<211> 20

<212> PRT

<213> Homo sapiens

<400> 407

<210> 408

<211> 20

<212> PRT

<213> Homo sapiens

<400> 408

Val Ser Val Leu Tyr Asn Val Thr Ile Asn Asn Thr Tyr Ser Cys Met  
1 5 10 15  
Ile Glu Asn Asp

```
<210> 409
<211> 20
<212> PRT
<213> Homo sapiens
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```
<210> 410
<211> 20
<212> PRT
<213> Homo sapiens
```

```
<210> 411
<211> 20
<212> PRT
<213> Homo sapiens
```

```
<210> 412
<211> 20
<212> PRT
<213> Homo sapiens
```

```
<210> 413
<211> 35
<212> PRT
<213> Homo sapiens
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Ile Ser Gly Arg His Ser Ile Thr Val Thr Thr Val Ala Ser Ala Gly
 1                    5                10                15
Asn Ile Gly Glu Asp Gly Ile Leu Ser Cys Thr Phe Glu Pro Asp Ile
          20                25                30
Lys Leu Ser
      35

```

<213> Homo sapiens

```

Val Leu Gly Leu Val His Glu Phe Lys Glu Gly Lys Asp Glu Leu Ser
 1             5             10             15
Glu Gln Asp Glu Met Phe Arg Gly Arg Thr Ala Val Phe Ala Asp Gln
          20             25             30
Val Ile Val
      35

```

<213> Homo sapiens

[illegible]

<213> Homo sapiens

Lys Leu Ser Asp Ile Val Ile Gln Trp Leu  
1 5 10

<213> Homo sapiens

<400> 417  
 Ser Leu Gly Gln Ile Leu Phe Trp Ser Ile  
 1 5 10

<210> 418  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 418  
 Leu Leu Asn Ser Lys Ala Ser Leu Cys Val  
 1 5 10

<210> 419  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 419  
 Ser Leu Cys Val Ser Ser Phe Phe Ala Ile  
 1 5 10

<210> 420  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 420  
 Val Leu Tyr Asn Val Thr Ile Asn Asn Thr  
 1 5 10

<210> 421  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 421  
 Ile Leu Phe Trp Ser Ile Ile Ser Ile Ile  
 1 5 10

<210> 422  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 422  
 Leu Leu Pro Leu Ser Pro Tyr Leu Met Leu  
 1 5 10

<210> 423

000T80-T089550

<400> 428  
Ala Leu Leu Pro Leu Ser Pro Tyr Leu Met

1 5 10

<210> 429  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 429  
Gln Leu Leu Asn Ser Lys Ala Ser Leu Cys  
1 5 10

<210> 430  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 430  
Ile Leu Ser Cys Thr Phe Glu Pro Asp Ile  
1 5 10

<210> 431  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 431  
Trp Leu Lys Glu Gly Val Leu Gly Leu Val  
1 5 10

<210> 432  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 432  
Leu Gln Leu Leu Asn Ser Lys Ala Ser Leu  
1 5 10

<210> 433  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 433  
Gln Ile Leu Phe Trp Ser Ile Ile Ser Ile  
1 5 10

<210> 434  
<211> 10  
<212> PRT  
<213> Homo sapiens

&lt;400&gt; 434

Gly Ile Ser Gly Arg His Ser Ile Thr Val

1 5 10

&lt;210&gt; 435

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 435

Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile

1 5 10

&lt;210&gt; 436

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 436

Ala Leu Leu Pro Leu Ser Pro Tyr Leu

1 5

&lt;210&gt; 437

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 437

Ser Leu Cys Val Ser Ser Phe Phe Ala

1 5

&lt;210&gt; 438

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 438

Ile Leu Phe Trp Ser Ile Ile Ser Ile

1 5

&lt;210&gt; 439

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 439

Gln Leu Leu Asn Ser Lys Ala Ser Leu

1 5

&lt;210&gt; 440

000T30" T0895960







<400> 451  
Ser Leu Gly Gln Ile Leu Phe Trp Ser  
1 5

<210> 452  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 452  
Ile Ala Leu Ile Ile Gly Phe Gly Ile  
1 5

<210> 453  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 453  
Cys Thr Phe Glu Pro Asp Ile Lys Leu  
1 5

<210> 454  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 454  
Ile Val Gly Asn Ala Ser Leu Arg Leu  
1 5

<210> 455  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 455  
Gly Gln Ile Leu Phe Trp Ser Ile Ile  
1 5

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